



# Codebook

## TwinLife Telephone survey of wave 2

### CATI 2, subsamples a and b (data collection 4, 2017-2019)

Scientific Use File ZA6701\_person\_wid4

Version 7.1.0, September 2023



UNIVERSITÄT  
BIELEFELD



Universität  
Bremen



UNIVERSITÄT  
DES  
SAARLANDES

## Contents

<b>1</b>	<b>How to use the codebook</b>	<b>5</b>
<b>2</b>	<b>Study description</b>	<b>5</b>
<b>3</b>	<b>Data collection 4 (CATI 2)</b>	<b>5</b>
<b>4</b>	<b>Identifiers: IDs on wave, family, household and invidual level</b>	<b>7</b>
	fid – family ID (scientific use file) . . . . .	7
	hid_4 – household ID wave-specific (scientific use file) (CATI 2) . . . . .	7
	pid – person ID (scientific use file) . . . . .	8
	wid – data collection ID - consecutively numbered (gen) . . . . .	8
<b>5</b>	<b>Identifiers: Indicator and sample variables</b>	<b>9</b>
	cgr – twin birth cohort . . . . .	9
	ptyp – type of respondent . . . . .	9
	ptyp_hq – type of respondent for household questionnaire (gen) . . . . .	10
	wav0100 – subsample (gen) . . . . .	10
	wav0200 – survey wave (gen) . . . . .	11
	wav0300 – part of the survey wave (gen) . . . . .	11
	wav0400 – wave (wav0200, wav0300, wav0100 combined) . . . . .	11
<b>6</b>	<b>Socio-demographics</b>	<b>12</b>
	age0100 – age in years on the date of the family questionnaire (gen) . . . . .	12
	age0100t – age twins in years on the date of the family questionnaire (gen) . . . . .	13
	age0100s – age sibling in years on the date of the family questionnaire (gen) . . . . .	13
	ewi – Eastern or western federal state (federal state indicator) (gen) . . . . .	14
	gkpol_r – community size classification (political), 4 groups (gen) . . . . .	15
	sex – sex . . . . .	15
<b>7</b>	<b>Family structure and household characteristics</b>	<b>16</b>
	fhc – number of households belonging to the family (gen) . . . . .	16
	fpr0107 – relation to the twins . . . . .	16
	hlt – twin1 lives in household (gen) . . . . .	17
	hlu – twin2 lives in household (gen) . . . . .	17
	hls – sibling lives in household (gen) . . . . .	18
	hlf – father lives in household (gen) . . . . .	18
	hlg – stepfather lives in household (gen) . . . . .	18
	hlm – mother lives in household (gen) . . . . .	19
	hln – stepmother lives in household (gen) . . . . .	19
	hlp – partner twin1 lives in household (gen) . . . . .	19
	hlq – partner twin2 lives in household (gen) . . . . .	20
	hpc – number of persons belonging to the household (gen) . . . . .	20
	hpc0100 – Number of persons in household (HH) . . . . .	20
	hpc0101 – Number of persons under 14 yr in household (HH) . . . . .	21
<b>8</b>	<b>Migration and citizenship</b>	<b>22</b>
	mig0520 – german citizenship available (gen) . . . . .	22
	mig0620 – German citizenship since (year) (gen) . . . . .	22
	mig2000 – country of birth (gen) . . . . .	23
	mig2001 – born in the GDR (gen) . . . . .	24

mig2100 – country of birth of respondent's mother (gen) . . . . .	25
mig2101 – born in the GDR - respondent's mother (gen) . . . . .	26
mig2200 – country of birth of respondent's father (gen) . . . . .	27
mig2201 – born in the GDR - respondent's father (gen) . . . . .	28
mig3000 – country of birth - extended (gen) . . . . .	28
mig3100 – country of birth of respondent's mother - extended (gen) . . . . .	29
mig3200 – country of birth of respondent's father - extended (gen) . . . . .	30
mig4000 – migration background (t,u,s, up to the 3rd generation) (gen) . . . . .	31
mig4100 – migration background (up to the 2nd generation) (gen) . . . . .	32
<b>9 Zygosity questionnaire</b>	<b>32</b>
zyg0102 – zygosity: result questionnaire and DNA in F2F1 (gen) . . . . .	32
<b>10 Twin-specific questions</b>	<b>33</b>
tsp1400 – evaluation of relationship with other twin (m,f) . . . . .	33
tsp1500 – being envied by others for being a twin (m,f) . . . . .	34
tsp1600 – comparing yourself with other twin (m,f) . . . . .	34
tst1400 – evaluation of relationship with other twin (t,u) . . . . .	34
tst1500 – being envied by others for being a twin (t,u) . . . . .	35
tst1600 – comparing yourself with other twin (t,u) . . . . .	35
<b>11 Educational attainment and success</b>	<b>36</b>
eca0108 – ISCED 1997 (International Standard Classification of Education) (gen) .	36
eca0109 – CASMIN educational classification (gen) . . . . .	37
eca0130 – highest degree of school (gen) . . . . .	38
eca0230 – highest vocational or university degree (gen) . . . . .	39
eca0900 – new school graduation since last interview (>= 15 yr) . . . . .	40
eca0901 – new school graduation: type (>= 15 yr) . . . . .	40
eca1000 – new vocational qualification or academic degree since last interview (>= 15 yr) . . . . .	41
eca1100 – University degree or training qualification . . . . .	42
eca1200 – Dropout from school, study or training y/n . . . . .	42
eca1201 – Dropout from school, study or training . . . . .	43
edu0303 – type of higher education (>= 15 yr) . . . . .	43
edu0307 – type of vocational education (>= 15 yr) . . . . .	44
edu0320 – university attendance as in previous data collection (>= 15 yr) . . . . .	44
edu0330 – apprenticeship as in previous data collection (>= 15 yr) . . . . .	45
edu0400 – type of school (> 10 yr) . . . . .	45
edu0402 – school class (> 10 yr) . . . . .	46
edu0420 – school attendance as in previous data collection (>= 15 yr) . . . . .	46
<b>12 Employment status of household members</b>	<b>47</b>
hpr0101 – employment status - kindergarten/child care institution . . . . .	47
hpr0102 – employment status - in school - first education path . . . . .	47
hpr0104 – employment status - employed full-time . . . . .	48
hpr0105 – employment status - employed part-time - also in more than one job . .	48
hpr0106 – employment status - vocational training/apprenticeship/retraining . .	49
hpr0107 – employment status - marginally employed/mini-job/1-euro-job . . . . .	49
hpr0108 – employment status - occasionally/irregularly employed . . . . .	50
hpr0109 – employment status - voluntary military service . . . . .	50
hpr0110 – employment status - voluntary social/ecological year . . . . .	51

hpr0111 – employment status - unemployed/seeking employment . . . . .	51
hpr0112 – employment status - maternity/parental leave/special leave . . . . .	52
hpr0113 – employment status - housewife/househusband . . . . .	52
hpr0114 – employment status - in (early) retirement/occupational disability . . . . .	53
hpr0115 – employment status - partial retirement with zero working hours . . . . .	53
hpr0116 – employment status - not employed . . . . .	54
hpr0117 – employment status - in private care . . . . .	54
hpr0120 – employment status - other . . . . .	55
hpr0203 – employment status - university . . . . .	55
<b>13 Employment status, current position and job-related burden</b>	<b>56</b>
emp0503 – ISCO-08 of occ. activity, 2 digits based on emp0500 (gen) . . . . .	56
emp0505 – ISEI based on ISCO-08 (International Socio Economic Index) (gen) . . . . .	57
emp0506 – SIOPS based on ISCO-08 (Standard Int. Occupational Prestige Scale) (gen) . . . . .	58
emp0520 – occupational activity as in previous data collection ( $\geq 15$ yr) . . . . .	59
emp0600 – occupational status ( $\geq 16$ yr) . . . . .	59
emp0620 – occupational status as in previous data collection ( $\geq 15$ yr) . . . . .	59
<b>14 Wages, income, welfare dependency</b>	<b>60</b>
inc0401 – monthly household net income of all hh members (inc0400 inc0404 manip.) (gen) . . . . .	60
inc0411 – net equivalent hh-income (modif.OECD scheme) using inc0401 inc0403 age0200 (gen) . . . . .	61
inc0420 – flag: yearly income integrated in inc0401 (gen) . . . . .	62
inc0421 – flag: unexpected income development in inc0401 (gen) . . . . .	62
inc0422 – flag: multiple of child allowance specified in inc0401 (gen) . . . . .	63
<b>15 Personality / Temperament</b>	<b>63</b>
ris0100 – risk tolerance (t,u,m,f, $\geq 18$ yr) . . . . .	63
<b>16 Life events</b>	<b>64</b>
lev0100 – life events: separation ( $\geq 10$ yr) . . . . .	64
lev0500 – life events: new relationship ( $\geq 10$ yr) . . . . .	65
lev0900 – life events: money worries ( $\geq 14$ yr) . . . . .	65
lev1100 – life events: Pregnancy/ birth ( $\geq 16$ yr) . . . . .	66
lev1400 – life events: accident/ illness ( $\geq 10$ yr) . . . . .	67
lev1700 – life events: disability family member ( $\geq 10$ yr) . . . . .	67
lev1800 – life events: own job loss ( $\geq 16$ yr) . . . . .	68
lev2100 – life events: Death ( $\geq 10$ yr) . . . . .	69
lev2111 – life events: Death twin 1 ( $\geq 10$ yr) . . . . .	69
lev2112 – life events: Death twin 2 ( $\geq 10$ yr) . . . . .	70
lev2113 – life events: Death sibling ( $\geq 10$ yr) . . . . .	70
lev2115 – life events: Death parents ( $\geq 10$ yr) . . . . .	70
lev2116 – life events: Death stepparents ( $\geq 10$ yr) . . . . .	71
lev2121 – life events: Death partner ( $\geq 10$ yr) . . . . .	71
lev2124 – life events: Death another important person ( $\geq 10$ yr) . . . . .	72
lev2197 – life events: Death not assigned ( $\geq 10$ yr) . . . . .	72
lev2198 – life events: Death don't know ( $\geq 10$ yr) . . . . .	73
lev2199 – life events: Death not specified ( $\geq 10$ yr) . . . . .	73
lev2710 – life events: school class repeated or skipped (t,u,s) . . . . .	74

lev3400 – life events: trouble at home, with school, employer or police . . . . .	74
lev9000 – life events: another event . . . . .	75
lev9017 – life events: other positive or negative event within or outside the family	76
lev9021 – life events: most beautiful event in the last 12 months (gen) . . . . .	76
lev9025 – life events: most beautiful event in the last 12 months together with other twin . . . . .	76
<b>17 Interviewer assessments</b>	<b>77</b>
iva0201 – person understands German (intr) . . . . .	77
iva0406 – frequency of disturbances during the interview . . . . .	77
iva1107 – respondent follows telephone interview easily (intr) . . . . .	78
iva1210 – technical problems during interview (intr) . . . . .	79
<b>18 Para data</b>	<b>79</b>
mon_fq – month family questionnaire was conducted (gen) . . . . .	79
yea_fq – year family questionnaire was conducted (gen) . . . . .	80
proxy – proxy information . . . . .	80
version_fq – questionnaire version (family level) (gen) . . . . .	80
version_pq – questionnaire version (gen) . . . . .	81
version_ptyp – type of respondent on level of questionnaire version (gen) . . . . .	81

## 1 How to use the codebook

The codebook includes information and frequencies of all variables that are included in the Scientific Use File of TwinLife. The variables are sorted alphabetically within content-related chapters. The codebook documents the following information for these variables: variable name, variable label, question text (from the major survey instrument - although the question text is usually identical in all survey modes, it may differ in some cases), categories (including the value labels), frequencies, data collections the variable was surveyed in, filter conditions based on the instruments used for the variable, and sources for additional information. The variable label includes information on age groups and person types surveyed. This information serves as rough orientation; for detailed filter conditions of the variable within the instrument/questionnaire, please see the filter conditions documented below the frequency table. Please note: For metric variables or variables with many categories, no frequencies are documented (except for missing categories) in order to avoid long lists of categories. The codebook is based on cross-sectional data.

## 2 Study description

TwinLife is an interdisciplinary longitudinal study that combines perspectives of psychological and sociological theories with behavioral genetic research. The aim of TwinLife is to examine the interplay of the genetic and environmental mechanisms that influence social inequalities over the life course. The study focuses on education and academic performance, career and labor market attainment, integration and participation in social, cultural and political life, quality of life and perceived capabilities, physical and psychological health as well as behavioral issues and deviant behavior. Therefore, more than 4,000 mono- and dizygotic twin couples from four birth cohorts and their families are interviewed alternately in person and by telephone every year. The population of the TwinLife study are families with same-sex twins in Germany who were 5, 11, 17, and 22-24 years old at the first interview in 2014 or 2015. Thus, birth cohorts are defined as follows:

subsample A: - cohort 1: 2009 - cohort 2: 2003 - cohort 3: 1997 - cohort 4: 1990/1991

subsample B: - cohort 1: 2010 - cohort 2: 2004 - cohort 3: 1998 - cohort 4: 1992/1993

More detailed information you can find on our documentation website <https://www.twin-life.de/documentation/>.

## 3 Data collection 4 (CATI 2)

The field period for CATI 2 was from Oct 11, 2017 to May 12, 2018 (subsample A) and from Nov 06, 2018 to April 16, 2019 (subsample B). Respondents in CATI 2 include parents of twins in cohorts 1 and 2 and twins in cohorts 3 and 4. Unlike the other data collections in TwinLife, the information on the family members who were not personally interviewed was obtained as proxy information. Self-report and proxy-report are directly linked to the corresponding person types in the Scientific-Use-File. The variable **proxy** indicates whether the report is a self-report or a proxy-report. A total of 2299 families participated in the survey.

The target persons in CATI 2 include:

- Cohorts 1 and 2: one parent or stepparent per pair of twins
- Cohorts 3 and 4: both twins (if it was not possible to contact at least one twin per family, then one parent per twin pair was interviewed)

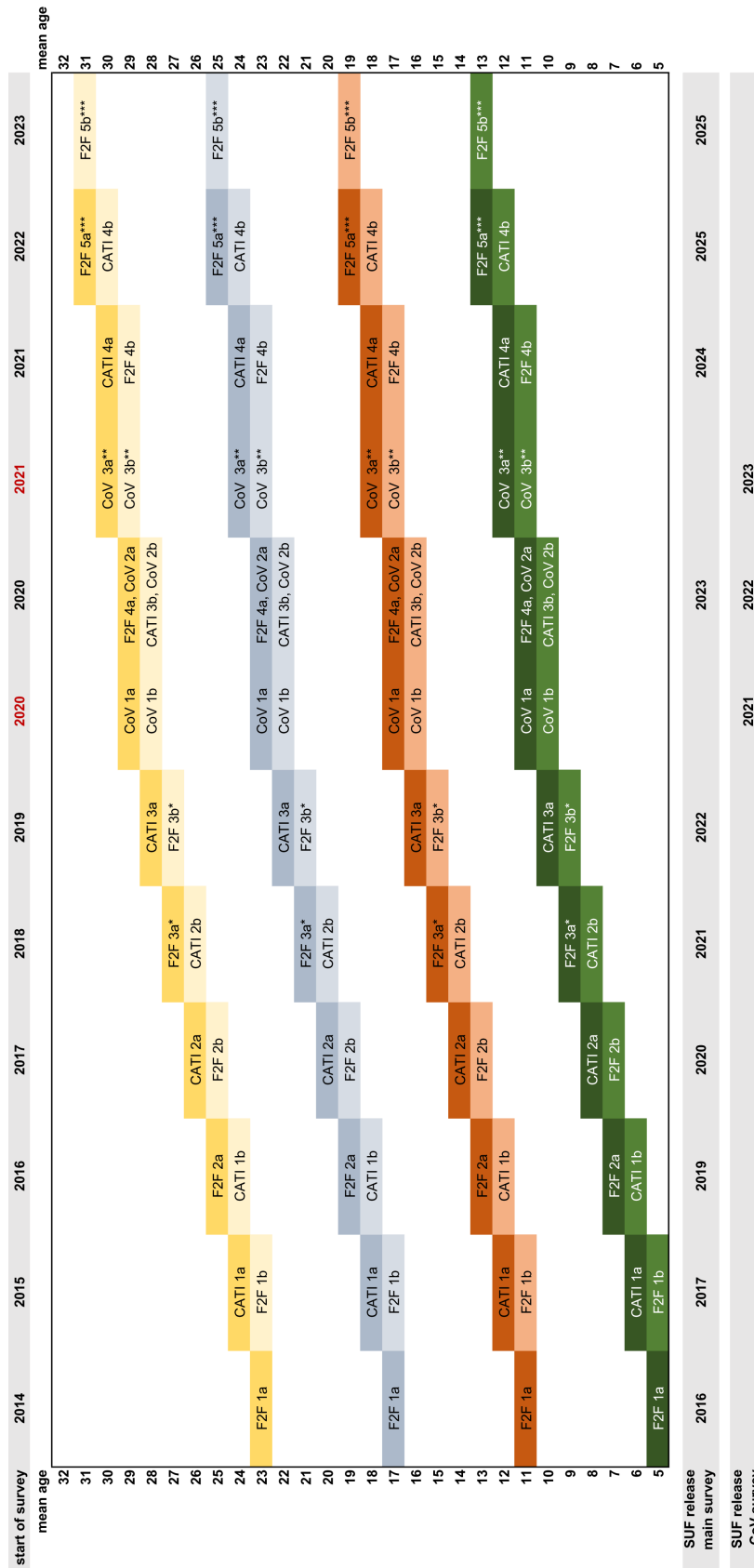


Figure 1: Overview of data collections in TwinLife

Four questionnaire versions (QV) were used in the CATI2 survey (see variable **version\_fq**):

- QV1: In cohorts 1 and 2, one parent was interviewed per family. The interviewed parent answered the family and interviewer questionnaire and provided self and proxy information about the twins and the other parent/partner in the personal questionnaire.
- QV2: In cohorts 3 and 4, both twins were interviewed per family. The twin interviewed first answered the family and interviewer questionnaire and provided self-information and proxy information about the parents and her/his own partner in the personal questionnaire. If the interviewed twin provided proxy information about the other twin in FV2, this information is overwritten with the other twin's responses from FV3 if the FV3 interview was conducted.
- QV3: In cohorts 3 and 4, both twins were interviewed per family. The last twin interviewed answered the interview questionnaire and provided self-information and proxy information about his/her own partner in the personal questionnaire.
- QV4: In cohorts 3 and 4, one parent per family was interviewed when the twins were unavailable. The respondent answered the family and interviewer questionnaire and provided self and proxy information about the twins, the other parent/partner, and the twins' partner in the personal questionnaire. This version of the questionnaire was used in 2 cases only.

For more information on the CATI 2 survey, see the Methodological Report <https://pub.uni-bielefeld.de/record/2955195>.

## 4 Identifiers: IDs on wave, family, household and individual level

This chapter contains information on: identifier on family level; identifier on household level; identifier on individual level; wave identifier.

### **fid** – family ID (scientific use file)

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

*Waves:* F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

*Filter based on instrument:* always asked/always generated

### **hid\_4** – household ID wave-specific (scientific use file) (CATI 2)

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0



-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	242
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2

Filter based on instrument: always asked/always generated

#### pid – person ID (scientific use file)

---

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Filter based on instrument: always asked/always generated

#### wid – data collection ID - consecutively numbered (gen)

---

1	1: F2F 1	0
2	2: CATI 1	0
3	3: F2F 2	0
4	4: CATI 2	11581
5	5: F2F 3	0
6	6: CATI 3	0
7	7: F2F 4	0
8	8: CATI 4	0
9	9: F2F 5	0
10	10: COVID-19 Supplementary Survey (Cov 1)	0
11	11: COVID-19 Supplementary Survey (Cov 2)	0
12	12: COVID-19 Supplementary Survey (Cov 3)	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Filter based on instrument: always asked/always generated

## 5 Identifiers: Indicator and sample variables

This chapter contains information on: person types; sample information; wave identifier.

### cgr – twin birth cohort

---

1	1: twins born 2009/2010	2941
2	2: twins born 2003/2004	3221
3	3: twins born 1997/1998	3009
4	4: twins born 1990-1993	2410
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Filter based on instrument: always asked/always generated

### ptyp – type of respondent

---

1	1: firstborn twin - t	2296
2	2: secondborn twin - u	2298
110	110: partner of first interviewed twin - p	438
120	120: partner of second interviewed twin - q	446
200	200: sibling - s	1366
201	201: sibling not participating	0
300	300: mother - m	2277
400	400: father - f	2180
500	500: partner of mother - g	176
600	600: partner of father - n	104
700	700: other person (not surveyed)	0
800	800: unknown person type	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Filter based on instrument: always asked/always generated

**ptyp\_hq** – type of respondent for household questionnaire (gen)

---

1	1: firstborn twin - t	2709
2	2: secondborn twin - u	2505
110	110: partner of first interviewed twin - p	0
120	120: partner of second interviewed twin - q	0
200	200: sibling - s	0
201	201: sibling not participating	0
300	300: mother - m	4770
400	400: father - f	1341
500	500: partner of mother - g	6
600	600: partner of father - n	0
700	700: other person (not surveyed)	0
800	800: unknown person type	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	242
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3

Filter based on instrument: always asked/always generated

**wav0100** – subsample (gen)

---

1	1: Sample A (start 2014/15)	5625
2	2: Sample B (start 2015/16)	5956
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

**wav0100** specifies to which subsample of the whole TwinLife sample a family belongs: a (whose survey started in 2014/2015) or b (whose survey started in 2015/2016). For details about the survey and sampling design of TwinLife, see the methodology report of the first TwinLife survey wave ([URL Link](#)).

**wav0200** – survey wave (gen)

2		11581
-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

Each wave of the TwinLife survey consists of two data collections: A face-to-face (F2F) interview and a telephone (CATI) interview. **wav0200** specifies to which survey wave an observation belongs. For details about the survey and sampling design of TwinLife, see the methodology report of the first TwinLife survey wave ([URL Link](#)).

**wav0300** – part of the survey wave (gen)

1	1: F2F survey part	0
2	2: CATI survey part	11581
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

Each wave of the TwinLife survey consists of two data collections: A face-to-face (F2F) interview and a telephone (CATI) interview. **wav0300** specifies to which part of a survey wave an observation belongs. For details about the survey and sampling design of TwinLife, see the methodology report of the first TwinLife survey wave ([URL Link](#)).

**wav0400** – wave (wav0200, wav0300, wav0100 combined)

111	111: F2F 1, sample A	0
112	112: F2F 1, sample B	0

121	121: CATI 1, sample A	0
122	122: CATI 1, sample B	0
211	211: F2F 2, sample A	0
212	212: F2F 2, sample B	0
221	221: CATI 2, sample A	5625
222	222: CATI 2, sample B	5956
311	311: F2F 3, sample A	0
312	312: F2F 3, sample B	0
321	321: CATI 3, sample A	0
322	322: CATI 3, sample B	0
411	411: F2F 4, sample A	0
412	412: F2F 4, sample B	0
421	421: CATI 4, sample A	0
422	422: CATI 4, sample B	0
511	511: F2F 5, sample A	0
512	512: F2F 5, sample B	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

**wav0400** is a combination of **wav0200**, **wav0300**, and **wav0100**. It specifies to which concrete data collection (survey wave and part of the survey wave, see **wav0200** and **wav0300**) in which subsample (see **wav0100**) an observation belongs. For details about the survey and sampling design of TwinLife, see the methodology report of the first TwinLife survey wave (URL Link).

## 6 Socio-demographics

This chapter contains information on: ; socio-demographic information.

**age0100** – age in years on the date of the family questionnaire (gen)

---

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0

-99 -99: not specified (refused to answer) 368

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

**age0100** gives the age in years to the nearest month at the time of the family questionnaire. This means that the actual date of birth was set to the first day of the month and then the age was calculated. For reasons of data protection, the age in years to the day on the date of the family questionnaire (without change of the day of birth, as in **age0110**) cannot be released in the scientific use file. However, **age0110** is used to filter the questions. In most cases, **age0100** and **age0110** are identical. All age variables are based on the respondent's date of birth. This specification can be corrected by the respondent in each wave and is plausibilized longitudinally for further data processing. In the case of inconsistencies in an individual's date of birth, the most frequently given date of birth is used. If two dates of birth are equally frequent, the most recent is taken. Note that **age0100** in Cov3 is the age at the time of the individual questionnaire, as no family questionnaire is available in the Corona supplement.

#### **age0100t** – age twins in years on the date of the family questionnaire (gen)

---

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

**age0100** gives the age in years to the nearest month at the time of the family questionnaire. This means that the actual date of birth was set to the first day of the month and then the age was calculated. For reasons of data protection, the age in years to the day on the date of the family questionnaire (without change of the day of birth, as in **age0110**) cannot be released in the scientific use file. However, **age0110** is used to filter the questions. In most cases, **age0100** and **age0110** are identical. All age variables are based on the respondent's date of birth. This specification can be corrected by the respondent in each wave and is plausibilized longitudinally for further data processing. In the case of inconsistencies in an individual's date of birth, the most frequently given date of birth is used. If two dates of birth are equally frequent, the most recent is taken. Note that **age0100** in Cov3 is the age at the time of the individual questionnaire, as no family questionnaire is available in the Corona supplement.

#### **age0100s** – age sibling in years on the date of the family questionnaire (gen)

---

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	4130
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

**age0100** gives the age in years to the nearest month at the time of the family questionnaire. This means that the actual date of birth was set to the first day of the month and then the age was calculated. For reasons of data protection, the age in years to the day on the date of the family questionnaire (without change of the day of birth, as in **age0110**) cannot be released in the scientific use file. However, **age0110** is used to filter the questions. In most cases, **age0100** and **age0110** are identical. All age variables are based on the respondent's date of birth. This specification can be corrected by the respondent in each wave and is plausibilized longitudinally for further data processing. In the case of inconsistencies in an individual's date of birth, the most frequently given date of birth is used. If two dates of birth are equally frequent, the most recent is taken. Note that **age0100** in Cov3 is the age at the time of the individual questionnaire, as no family questionnaire is available in the Corona supplement.

**ewi** – Eastern or western federal state (federal state indicator) (gen)

1	1: Eastern federal state	1942
2	2: Western federal state	9380
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	1
-92	-92: no participation in survey module	242
-93	-93: unclear classification of system missing	8
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

In order to meet data protection requirements, regional information about a person, household, or family can only be provided in aggregated form. Therefore, an east-west indicator (**ewi**) was generated by dividing the German states (Bundeslaender) into two groups depending on their former affiliation to Western Germany (Federal Republic of Germany) or Eastern Germany (German Democratic Republic). Baden-Wuerttemberg, Bavaria, Bremen, Hamburg,

Hesse, Lower Saxony, North Rhine-Westphalia, Rhineland-Palatinate, Saarland and Schleswig-Holstein belong to former Western Germany; Berlin, Brandenburg, Mecklenburg-West Pomerania, Saxony, Saxony-Anhalt and Thuringia belong to former Eastern Germany. According to the Federal Statistical Office of Germany, Berlin as a whole is count as part of former Eastern Germany. **ewi** is available on the household level. Please note that regional variables are generated from contextual information based on a household's contact address. In case of inconsistencies within a household ID, the regional information of the twins was prioritized over the information of the other household members. However, these inconsistencies occurred only in very rare cases.

### **gkpol\_r** – community size classification (political), 4 groups (gen)

---

1	1: 1 to 19,999 inhabitants	2147
2	2: 20,000 to 99,999 inhabitants	3122
3	3: 100,000 to 499,999 inhabitants	2331
4	4: 500,000 or more inhabitants	3722
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	1
-92	-92: no participation in survey module	242
-93	-93: unclear classification of system missing	8
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

*Waves:* F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

*Question text:*

*Filter based on instrument:* always asked/always generated

*Generated variable*

In order to meet data protection requirements, regional information about a person, household, or family can only be provided in aggregated form. Therefore, the (political) size of the community (politische Gemeindegrößenklasse, **gkpol\_7**, structured as follows: 1: 1 to 1,999 inhabitants, 2: 2,000 to 4,999 inhabitants, 3: 5,000 to 19,999 inhabitants, 4: 20,000 to 49,999 inhabitants, 5: 50,000 to 99,999 inhabitants, 6: 100,000 to 499,999 inhabitants, 7: 500,000 or more inhabitants) is classified into four groups and delivered in the SUF data (**gkpol\_r**). **gkpol\_r** is available on the household level. Please note that regional variables are generated from contextual information based on a household's contact address. In case of inconsistencies within a household ID, the regional information of the twins was prioritized over the information of the other household members. However, these inconsistencies occurred only in very rare cases.

### **sex** – sex

---

1	1: male	5595
2	2: female	5804
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0



-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	182
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

#### Generated variable

In each face-to-face survey, there is an option to correct the gender of family members. In general, the last reported gender is included in the dataset. In the F2F4 questionnaire, the gender category 'divers' (third gender) has been introduced. However, as gender is a quasi-identifying attribute, the third category is not provided in the SUF for data protection reasons, as this category has rarely been selected so far. Changes in the gender identity of twins are also not reported in the SUF for data protection reasons.

## 7 Family structure and household characteristics

This chapter contains information on: characteristics of family members (name, age, gender of twins; name, age, gender and relation to twins of siblings and parents who don't live in household; partners of twins); family members living in the household; number of households in the family; number of persons belonging to the household.

### fhc – number of households belonging to the family (gen)

---

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Filter based on instrument: always asked/always generated

### fpr0107 – relation to the twins

---

11	11: firstborn twin	2296
12	12: secondborn twin	2298
21	21: biological mother	2264
22	22: biological father	2166
23	23: adoptive mother	7
24	24: adoptive father	7
25	25: foster mother	7
26	26: foster father	6
28	28: non-biological father, pregnancy by semen donor	0

31	31: partner of mother	173
32	32: partner of father	104
41	41: full biological sibling (both parents are the same as twins)	1169
42	42: half sibling (mother is the same as twins)	119
43	43: half sibling (father is the same as twins)	8
44	44: half sibling (one of the parents is the same as twins, which one is unknown)	29
...	(5 rows omitted)	40
61	61: partner of firstborn twin	438
62	62: partner of secondborn twin	446
71	71: other relative	1
72	72: other non-relative	3
81	81: child of firstborn twin	0
82	82: child of secondborn twin	0
90	90: unknown relationship to twins	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

#### Generated variable

Please note: biological siblings can also be adopted or foster siblings in TwinLife. For this reason, no corrections will be made if the mother's age, the sibling's birth year and the information in fpr0107 together seem implausible.

#### hlt – twin1 lives in household (gen)

---

0	0: not true	2999
1	1: true	8332
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	242
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Filter based on instrument: always asked/always generated

#### hlu – twin2 lives in household (gen)

---

0	0: not true	2991
1	1: true	8340

-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	242
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Filter based on instrument: always asked/always generated

#### hls – sibling lives in household (gen)

---

0	0: not true	6768
1	1: true	4563
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	242
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Filter based on instrument: always asked/always generated

#### hlf – father lives in household (gen)

---

0	0: not true	3647
1	1: true	7684
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	242
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Filter based on instrument: always asked/always generated

#### hlg – stepfather lives in household (gen)

---

0	0: not true	10904
1	1: true	427
-87	-87: multiple answers	0

-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	242
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Filter based on instrument: always asked/always generated

#### hlm – mother lives in household (gen)

---

0	0: not true	2732
1	1: true	8599
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	242
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Filter based on instrument: always asked/always generated

#### hln – stepmother lives in household (gen)

---

0	0: not true	11139
1	1: true	192
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	242
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Filter based on instrument: always asked/always generated

#### hlp – partner twin1 lives in household (gen)

---

0	0: not true	10744
1	1: true	587
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0

-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	242
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2

Filter based on instrument: always asked/always generated

#### hlq – partner twin2 lives in household (gen)

---

0	0: not true	10774
1	1: true	557
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	242
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2

Filter based on instrument: always asked/always generated

#### hpc – number of persons belonging to the household (gen)

---

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	4830
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Filter based on instrument: always asked/always generated

#### hpc0100 – Number of persons in household (HH)

---

1	279
2	507
3	380
4	2331
5	2438

6	614
7	159
8	41
10	1
15	1
-85 -85: unknown	0
-86 -86: not available/empty/not codable	0
-87 -87: multiple answers	0
-90 -90: no participation in survey wave	0
-92 -92: no participation in survey module	0
-93 -93: unclear classification of system missing	0
-94 -94: technical error / faulty insertion	3
-95 -95: doesn't apply (screened out)	4800
-98 -98: don't know	8
-99 -99: not specified (refused to answer)	19

Waves: CATI 2; CATI 3

*Question text:* Now I have some questions about your household. [IF number of persons in HH >1 AND version!=3] You have already indicated that the following persons live in your household: [insert names of family members in this HH] [Version!=3] How many people in total live in this household? [Version=3] How many people in total live in your household? [IF number of persons in HH >1 AND version!=3] Please count the above persons as well. [IF number of persons in HH=1 OR version=3] Please count yourself as well.

*Filter based on instrument:* module 'household questionnaire' (CATI): res0500==1 & (inlist(version\_fq,1,4) | (inlist(version\_fq,2,3) & ((ptyp\_hq==1 & (hlt==1 & hlm!=1 & hlf!=1) | (ptyp\_hq==2 & (hlu==1 & hlm!=1 & hlf!=1))))))

### hpc0101 – Number of persons under 14 yr in household (HH)

0	2958
1	506
2	1695
3	1365
4	215
5	10
6	10
-85 -85: unknown	0
-86 -86: not available/empty/not codable	0
-87 -87: multiple answers	0
-90 -90: no participation in survey wave	0
-92 -92: no participation in survey module	0
-93 -93: unclear classification of system missing	0
-94 -94: technical error / faulty insertion	3
-95 -95: doesn't apply (screened out)	4819
-98 -98: don't know	0
-99 -99: not specified (refused to answer)	0

Waves: CATI 2; CATI 3

*Question text:* How many of the people in this household are younger than 14?

*Filter based on instrument:* module 'household questionnaire' (CATI): res0500==1 & (inlist(version\_fq,1,4)

```
| (inlist(version_fq,2,3) & ((ptyp_hq==1 & (hlt==1 & hlm!=1 & hlf!=1) | (ptyp_hq==2 & (hlu==1 & hlm!=1 & hlf!=1)))) & hpc0100 != -99
```

## 8 Migration and citizenship

This chapter contains information on: year of immigration, country of birth, residential status, language spoken at home.

### **mig0520** – german citizenship available (gen)

---

1	1: yes	9832
2	2: no	413
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	313
-92	-92: no participation in survey module	2
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1017
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	4

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

**mig0520**, which is part of the master file of the Scientific Use File, includes all available information on the personal level and displays whether the individual has the German citizenship or not (1: yes or 2: no). In the first face-to-face data collection (F2F 1) the citizenship was surveyed in a multicoding format as a self-report and a proxy-report of parents about their children, offering the respondent to mention one or several citizenships and give open answers (**mig0500(t/u/s)** - **mig0519(t/u/s)**). In the second face-to-face data collection (F2F 2), it was explicitly asked for the first citizenship as well as for the second citizenship, if applicable (including the offering of an open answer). The corresponding variables are **mig0550(t/u/s)** - **mig0553(t/u/s)**. The citizenship was surveyed of all respondents in both F2F 1 and F2F 2. It is stored, like the other migration variables, as constant variable in the master. In cases where the information given in F2F 2 differed from the one given in F2F 1, the latest information was used for the generation of **mig0520**.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). *SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Lebenslauffragebogen, Altstichproben* [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Life Course Questionnaire, Age Samples] (237: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

### **mig0620** – German citizenship since (year) (gen)

---

9996	9996: since birth	8452
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	363
-92	-92: no participation in survey module	227
-93	-93: unclear classification of system missing	0

-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	2056
-98	-98: don't know	42
-99	-99: not specified (refused to answer)	6

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

*mig0620* indicates the year in which German citizenship was granted. *mig0620* was generated on the basis of *mig0600* (self-reports) and *mig0600[t,u,s]* (parents' proxy statements) from F2F1 and, in the case of newly interviewed siblings, on the basis of *mig0600s* from F2F2. In *mig0620*, missing or even valid values for year of citizenship from F2F1 were replaced by valid information on year of citizenship from F2F2. This is only the case for a small number of siblings. Missing information on *mig0620* when German citizenship is available can be explained by the fact that certain persons did not receive the question, i.e. Alteri in F2F1, persons who were asked about their citizenship for the first time in F2F2 or later, or person who were asked about their citizenships in F2F2 again.

TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Lebenslauffragebogen, Altstichproben [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Life Course Questionnaire, Age Samples] (237: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

### **mig2000** – country of birth (gen)

1	1: Germany	9268
2	2: Turkey	97
3	3: Africa	21
4	4: Arabic-islamic world	73
5	5: Asia	29
6	6: Latin America	31
7	7: North America and Australia	24
8	8: Western Europe	83
9	9: Eastern Europe	162
10	10: Southern Europe	41
11	11: Western Balkan	39
12	12: Former Sovjet Union	156
-81	-81: contradictory information	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	649
-92	-92: no participation in survey module	12
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	891
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	4

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated



*Generated variable*

The country of birth was surveyed in the first face-to-face data collection (F2F 1) as a self-report (respondents aged 16 or above, **mig0100**, **mig0101**), proxy-report of parents about their children aged below 16 (twins and sibling, **mig0100t/u/s**, **mig0101t/u/s**) as well as a proxy-report about the own parents (**mig0300**, **mig0301**, **mig0400**, **mig0401**; persons aged 16 or above). In F2F 2 only first-time respondents were asked for their country of birth. In F2F 3, the country of birth was not surveyed. The information was collected by providing a list as well as the opportunity to give an open answer. For data privacy reasons the answers were recoded into country groups and stored in generated variables, where the self-reports and the proxy-reports of parents about their children were integrated into **mig2000**. Please note that proxy information by the twins or the sibling about the country of birth of their parents is *not* used for the generation of **mig2000** (e.g. **mig0300** for the generation of **mig2000** of the twin's mother, etc.). The treatment of missing values is addressed in **mig3000**. It can be derived from the table *mig2000\_countrygroups.pdf* (URL Link) in the downloads section (URL Link) of the TwinLife documentation website which countries were included in which group. Please also note that different statements of twins about their country of birth are not harmonized. In about 20 cases/twin pairs the given information differs between the twins. The treatment of contradicting information is addressed in **mig3000**. **mig2000** is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altsichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

**mig2001** – born in the GDR (gen)

0	0: not born in the GDR	9460
1	1: born in the GDR	564
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	650
-92	-92: no participation in survey module	12
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	891
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	3

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

*Generated variable*

The information whether a person was born in the German Democratic Republic (GDR) is stored in the variables **mig2001** (self-report), **mig2101** (respondent's report about mother) and **mig2201** (respondent's report about father). It is generated on the basis of the country of birth and considers whether the person was born during the existence of the GDR between 7/10/1949 and 2/10/1990. **mig0100** contains the answer on the question 'What country you were born in?'; 2 is the answer 'Germany, former GDR'. **mig0101** contains the open answers to the question. **gebdatg** is the individual birth date as the number of days since 01/01/1960; -3738 corresponds to the date 07/10/1949 and 11232 to the date 02/10/1990.

```

replace mig2001 = 1 if (mig0100 == 2 | mig0101 == 'Ostdeutschland' | mig0101 == 'DDR')
3738,11232)
replace mig2001 = 0 if (mig0100 == 2 | mig0101 == 'Ostdeutschland' | mig0101 == 'DDR')
3738,11232)

```

The variable is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

### **mig2100** – country of birth of respondent's mother (gen)

1	1: Germany	5118
2	2: Turkey	199
3	3: Africa	24
4	4: Arabic-islamic world	91
5	5: Asia	32
6	6: Latin America	34
7	7: North America and Australia	15
8	8: Western Europe	111
9	9: Eastern Europe	371
10	10: Southern Europe	71
11	11: Western Balkan	76
12	12: Former Sovjet Union	196
-81	-81: contradictory information	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	676
-92	-92: no participation in survey module	38
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	4517
-98	-98: don't know	8
-99	-99: not specified (refused to answer)	4

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The country of birth was surveyed in the first face-to-face data collection (F2F 1) as a self-report (respondents aged 16 or above, **mig0100**, **mig0101**), proxy-report of parents about their children aged below 16 (twins and sibling, **mig0100t/u/s**, **mig0101t/u/s**) as well as a proxy-report about the own parents (**mig0300**, **mig0301**, **mig0400**, **mig0401**; persons aged 16 or above). In F2F 2 only first-time respondents were asked for their country of birth. In F2F 3, the country of birth was not surveyed. The information was collected by providing a list as well as the opportunity to give an open answer. For data privacy reasons the answers were recoded into country groups and stored in generated variables, where the proxy-reports of the twins and the sibling about their parents were integrated into **mig2100** and **mig2200**. Please note that self-reports of the parents about the country of their birth are *not* used for the generation of **mig2100** and **mig2200** (e.g. **mig0100** of the twins' mother for the generation

of **mig2100**, etc.). For an extension of the generation, see **mig3100** and **mig3200**. It can be derived from the table *mig2000\_countrygroups.pdf* (URL Link) in the downloads section (URL Link) of the TwinLife documentation website which countries were included in which group. Please also note that different statements of twins and the sibling about the country of birth of their parents are not harmonized. In about 30 cases the given information differs between the siblings. The treatment of contradicting information is addressed in **mig3100** and **mig3200**. **mig2100** is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). *SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben*. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

### **mig2101** – born in the GDR - respondent's mother (gen)

0	0: not born in the GDR	5788
1	1: born in the GDR	550
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	676
-92	-92: no participation in survey module	41
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	4517
-98	-98: don't know	6
-99	-99: not specified (refused to answer)	3

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The information whether a person was born in the German Democratic Republic (GDR) is stored in the variables **mig2001** (self-report), **mig2101** (respondent's report about mother) and **mig2201** (respondent's report about father). It is generated on the basis of the country of birth and considers whether the person was born during the existence of the GDR between 7/10/1949 and 2/10/1990. **mig0300** contains the answer on the question 'What country was your mother born in?'; 2 is the answer 'Germany, former GDR'. **mig0301** contains the open answers to the question. **gebdatg** is the individual birth date as the number of days since 01/01/1960; -3738 corresponds to the date 07/10/1949 and 11232 to the date 02/10/1990.

```
replace mig2101 = 1 if (mig0300 == 2 | mig0301 == 'Ostdeutschland' | mig0301 == 'DDR')
& inrange(gebdatg,-3738,11232)
replace mig2101 = 0 if (mig0300 == 2 | mig0301 == 'Ostdeutschland' | mig0301 == 'DDR')
& !inrange(gebdatg,-3738,11232)
```

The variable is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). *SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben*. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

**mig2200** – country of birth of respondent's father (gen)

1	1: Germany	5035
2	2: Turkey	199
3	3: Africa	32
4	4: Arabic-islamic world	98
5	5: Asia	38
6	6: Latin America	28
7	7: North America and Australia	19
8	8: Western Europe	112
9	9: Eastern Europe	411
10	10: Southern Europe	89
11	11: Western Balkan	75
12	12: Former Sovjet Union	182
-81	-81: contradictory information	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	676
-92	-92: no participation in survey module	32
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	4517
-98	-98: don't know	29
-99	-99: not specified (refused to answer)	9

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The country of birth was surveyed in the first face-to-face data collection (F2F 1) as a self-report (respondents aged 16 or above, **mig0100**, **mig0101**), proxy-report of parents about their children aged below 16 (twins and sibling, **mig0100t/u/s**, **mig0101t/u/s**) as well as a proxy-report about the own parents (**mig0300**, **mig0301**, **mig0400**, **mig0401**; persons aged 16 or above). In F2F 2 only first-time respondents were asked for their country of birth. In F2F 3, the country of birth was not surveyed. The information was collected by providing a list as well as the opportunity to give an open answer. For data privacy reasons the answers were recoded into country groups and stored in generated variables, where the proxy-reports of the twins and the sibling about their parents were integrated into **mig2100** and **mig2200**. Please note that self-reports of the parents about the country of their birth are *not* used for the generation of **mig2100** and **mig2200** (e.g. **mig0100** of the twins' father for the generation of **mig2200**, etc.). For an extension of the generation, see **mig3100** and **mig220g**. It can be derived from the table *mig2000\_countrygroups.pdf* (URL Link) in the downloads section (URL Link) of the TwinLife documentation website which countries were included in which group. Please also note that different statements of twins and the sibling about the country of birth of their parents are not harmonized. In about 30 cases the given information differs between the siblings. The treatment of contradicting information is addressed in **mig3100** and **mig3200**. **mig2200** is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

**mig2201** – born in the GDR - respondent's father (gen)

0	0: not born in the GDR	5795
1	1: born in the GDR	523
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	676
-92	-92: no participation in survey module	35
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	4517
-98	-98: don't know	27
-99	-99: not specified (refused to answer)	8

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The information whether a person was born in the German Democratic Republic (GDR) is stored in the variables **mig2001** (self-report), **mig2101** (respondent's report about mother) and **mig2201** (respondent's report about father). It is generated on the basis of the country of birth and considers whether the person was born during the existence of the GDR between 7/10/1949 and 2/10/1990. **mig0400** contains the answer on the question 'What country was your father born in?'; 2 is the answer 'Germany, former GDR'. **mig0401** contains the open answers to the question. **gebdatg** is the individual birth date as the number of days since 01/01/1960; -3738 corresponds to the date 07/10/1949 and 11232 to the date 02/10/1990.

```
replace mig2201 = 1 if (mig0400 == 2 | mig0401 == 'Ostdeutschland' | mig0401 == 'DDR')
& inrange(gebdatg,-3738,11232)
replace mig2201 = 0 if (mig0400 == 2 | mig0401 == 'Ostdeutschland' | mig0401 == 'DDR')
& !inrange(gebdatg,-3738,11232)
```

The variable is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

**mig3000** – country of birth - extended (gen)

1	1: Germany	9464
2	2: Turkey	110
3	3: Africa	23
4	4: Arabic-islamic world	79
5	5: Asia	32
6	6: Latin America	34
7	7: North America and Australia	26
8	8: Western Europe	86
9	9: Eastern Europe	173
10	10: Southern Europe	45
11	11: Western Balkan	43

12	12: Former Sovjet Union	164
-81	-81: contradictory information	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	441
-92	-92: no participation in survey module	8
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	849
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	3

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The variable **mig3000** is an extended and harmonized version of **mig2000** and combines all available information on respondents' country of birth. For those cases where the parents' self-report is not available, the information provided by the twins or the sibling about their biological parents' countries of birth is used (e.g. **mig2100** for the generation of **mig3000** of the twin's mother, etc.). If the twins' and the sibling's statements about their parents' countries of birth differ, the statement that is shared by two out of the three is designated as the parent's country of birth. Missing information of one of the twins is filled in with the information of the other twin. If the information about the twins' country of birth is contradicting, Germany is designated as the country of birth if at least one twin indicated to be born in Germany. The value -81 (contradictory information) is assigned for cases with no unambiguous information about the twins' country of birth.

**mig3000** is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

### **mig3100** – country of birth of respondent's mother - extended (gen)

1	1: Germany	8040
2	2: Turkey	259
3	3: Africa	43
4	4: Arabic-islamic world	151
5	5: Asia	68
6	6: Latin America	63
7	7: North America and Australia	20
8	8: Western Europe	149
9	9: Eastern Europe	511
10	10: Southern Europe	100
11	11: Western Balkan	115
12	12: Former Sovjet Union	325
-81	-81: contradictory information	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	557
-92	-92: no participation in survey module	17



-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1154
-98	-98: don't know	6
-99	-99: not specified (refused to answer)	3

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The variable **mig3100** is an extended and harmonized version of **mig2100** and combines all available information on the country of birth of the respondent's mother. For the twins and the sibling, the self-reported country of birth of their biological mother (i.e. **mig2000**) is used for the generation of **mig3100**. For those cases where there is no self-reported information available, the proxy-information provided by the twins or the sibling is used instead (i.e. **mig2100**). If the twins' and the sibling's statements about their mother's country of birth differ, the statement that is shared by two out of the three is designated as the mother's country of birth. If there is no unambiguous information about the mother's country of birth, the value -81 (contradictory information) is assigned.

**mig3100** is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

### **mig3200** – country of birth of respondent's father - extended (gen)

1	1: Germany	7532
2	2: Turkey	271
3	3: Africa	56
4	4: Arabic-islamic world	151
5	5: Asia	50
6	6: Latin America	41
7	7: North America and Australia	33
8	8: Western Europe	163
9	9: Eastern Europe	481
10	10: Southern Europe	119
11	11: Western Balkan	108
12	12: Former Sovjet Union	257
-81	-81: contradictory information	3
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	577
-92	-92: no participation in survey module	16
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1692
-98	-98: don't know	24
-99	-99: not specified (refused to answer)	7

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The variable **mig3200** is an extended and harmonized version of **mig2200** and combines all available information on the country of birth of the respondent's father. For the twins and the sibling, the self-reported country of birth of their biological father (i.e. **mig2000**) is used for the generation of **mig3200**. For those cases where there is no self-reported information available, the proxy-information provided by the twins or the sibling is used instead (i.e. **mig2200**). If the twins' and the sibling's statements about their father's country of birth differ, the statement that is shared by two out of three is designated as the father's country of birth. If there is no unambiguous information about the father's country of birth, the value -81 (contradictory information) is assigned. **mig3200** is stored in the master data set.

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

### **mig4000** – migration background (t,u,s, up to the 3rd generation) (gen)

0	0: no migration background	3426
1	1: 1st generation	141
2	2: 2nd generation	1049
3	3: 3rd generation	907
-86	-86: not available/empty/not codable	99
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	441
-92	-92: no participation in survey module	8
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	5506
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	3

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The variable **mig4000** is based on **mig3000**, **mig3100**, and **mig3200** and contains information on the twins and the sibling's migration background up to the third generation. The variable indicates whether the twins' or the sibling were born in Germany (0); born abroad (1); have no personal migration but migration of at least one parent (2); no personal nor migration of either parent but migration of at least one grandparent (3). The migration background was constructed for twins with at least one (grand-)parental information available. In cases where the information on the country of birth is contradicting but it is known that the respondent is born abroad, the information about the foreign birth is used without considering the particular country. Twins and siblings with missing information on both parents or all grandparents were assigned the value -86 (not available/empty/not codable). Please note, **mig4000** only considers information about biological parents. The variable is stored in the master data set.



Source: Adapted from: Olczyk, M., Will, G., & Kristen, C. (2016). *Immigrants in the NEPS: Identifying generation status and group of origin* (No. 4; NEPS Survey Paper). Leibniz Institute for Educational Trajectories, National Educational Panel Study. [URL link]

#### **mig4100** – migration background (up to the 2nd generation) (gen)

0	0: no migration background	7341
1	1: 1st generation	815
2	2: 2nd generation	1557
-86	-86: not available/empty/not codable	566
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	441
-92	-92: no participation in survey module	8
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	849
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	3

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The variable **mig4100** is based on **mig3000**, **mig3100**, and **mig3200** and contains information on respondents' migration background up to the second generation. The variable indicates whether respondents were born in Germany (0); born in a country other than Germany (1); or have no personal migration but migration of at least one parent (2). The migration background was constructed for respondents with at least one parental information available. In cases where the information on the country of birth is contradicting but it is known that the respondent was born abroad, the information about the foreign birth is used without considering the particular country. Respondents with missing information on both parents were assigned the value -86 (not available/empty/not codable). Please note, **mig4100** only considers information about biological parents. The variable is stored in the master data set. Source: Adapted from: Olczyk, M., Will, G., & Kristen, C. (2016). *Immigrants in the NEPS: Identifying generation status and group of origin* (No. 4; NEPS Survey Paper). Leibniz Institute for Educational Trajectories, National Educational Panel Study. [URL link]

## 9 Zygosity questionnaire

This chapter contains information on: zygosity.

#### **zyg0102** – zygosity: result questionnaire and DNA in F2F1 (gen)

1	1: monozygotic	5396
2	2: dizygotic	6178
-87	-87: multiple answers	0
-89	-89: no saliva swab test	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	7

-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 1; CoV 2; CoV 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

For details regarding the generated zygosity variables, see the Technical Report No. 1 (URL Link).

Lenau, F., & Hahn, E. (2017). *Documentation TwinLife Data: Zygosity (No. 1; TwinLife Technical Report Series). Project TwinLife Genetic and social causes of life chances (Bielefeld University / Saarland University)*. [URL link]; Lenau, F., Hahn, E., Peters, A.-L., Gottschling, J., Thiel, W., & Spinath, F. M. (2017). *Zygosity Determination in Twin Studies A Validation of Zygosity Questionnaires Using DNA in the German TwinLife Study (No. 1; TwinLife Working Paper Series). Project TwinLife Genetic and social causes of life chances (Bielefeld University / Saarland University)*. [URL link]

## 10 Twin-specific questions

This chapter contains information on: twin-specific questions for parents (e.g., dress twins alike); twin-specific questions for twins themselves (e.g. relationship to other twin).

### tsp1400 – evaluation of relationship with other twin (m,f)

1	1: very bad	1
2	2: bad	11
3	3: rather bad	18
4	4: neither bad nor good	91
5	5: rather good	186
6	6: good	456
7	7: very good	579
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	10237
-98	-98: don't know	2
-99	-99: not specified (refused to answer)	0

Waves: CATI 2

Question text: How would you rate the relationship between <NAME\_ZWILLING1> and <NAME\_ZWILLING2>?

Filter based on instrument: module 'twin-specific questions' (CATI): inlist(ptyp,300,400,500,600) & inlist(version\_fq,1,4) & version\_ptyp==ptyp

Item developed for TwinLife.

**tsp1500** – being envied by others for being a twin (m,f)

---

1	1: never	103
2	2: rarely	289
3	3: sometimes	442
4	4: often	344
5	5: very often	150
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	10237
-98	-98: don't know	15
-99	-99: not specified (refused to answer)	1

Waves: CATI 2

*Question text:* How often has it happened that you were envied by friends, acquaintances or other parent couples for having a pair of twins in your family?

*Filter based on instrument:* module 'twin-specific questions' (CATI): inlist(ptyp,300,400,500,600) & inlist(version\_fq,1,4) & version\_ptyp==ptyp

*Item developed for TwinLife.*

**tsp1600** – comparing yourself with other twin (m,f)

---

1	1: never	38
2	2: rarely	192
3	3: rather rarely	90
4	4: more often	386
5	5: often	355
6	6: very often	173
7	7: constantly	108
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	10237
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	1

Waves: CATI 2

*Question text:* How often does it happen that the two twins compare each other?

*Filter based on instrument:* module 'twin-specific questions' (CATI): inlist(ptyp,300,400,500,600) & inlist(version\_fq,1,4) & version\_ptyp==ptyp

*Item developed for TwinLife.*

**tst1400** – evaluation of relationship with other twin (t,u)

1	1: very bad	3
2	2: bad	12
3	3: rather bad	7
4	4: neither bad nor good	43
5	5: rather good	129
6	6: good	426
7	7: very good	1055
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	9906
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2

Question text: [IF ptyp = 001] How would you rate your relationship with <NAME\_ZWILLING2>?

[IF ptyp = 002] How would you rate your relationship with <NAME\_ZWILLING1>?

Filter based on instrument: module 'twin-specific questions' (CATI): inlist(ptyp,1,2) & version\_ptyp==ptyp

Item developed for TwinLife.

#### tst1500 – being envied by others for being a twin (t,u)

---

1	1: never	142
2	2: rarely	307
3	3: sometimes	629
4	4: often	462
5	5: very often	120
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	9906
-98	-98: don't know	14
-99	-99: not specified (refused to answer)	1

Waves: CATI 2

Question text: How often has it happened that family members, friends or acquaintances envied you for being a twin?

Filter based on instrument: module 'twin-specific questions' (CATI): inlist(ptyp,1,2) & version\_ptyp==ptyp

Item developed for TwinLife.

#### tst1600 – comparing yourself with other twin (t,u)

---

1	1: never	114
2	2: rarely	563
3	3: rather rarely	364

4	4: more often	343
5	5: often	174
6	6: very often	81
7	7: constantly	34
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	9906
-98	-98: don't know	2
-99	-99: not specified (refused to answer)	0

Waves: CATI 2

Question text: [IF ptyp = 001] How often does it happen that you compare yourself with <NAME\_ZWILLING2>? [IF ptyp = 002] How often does it happen that you compare yourself with <NAME\_ZWILLING1>?

Filter based on instrument: module 'twin-specific questions' (CATI): inlist(ptyp,1,2) & version\_ptyp==ptyp  
Item developed for TwinLife.

## 11 Educational attainment and success

This chapter contains information on: history of education and graduation: educational degrees, vocational training, year abroad; type of education / training; current status of education / qualification.

### eca0108 – ISCED 1997 (International Standard Classification of Education) (gen)

1	1: level 1	50
2	2: level 2a	469
4	4: level 3a	1157
5	5: level 3b	1132
6	6: level 3c	59
7	7: level 4a	517
8	8: level 4b	104
9	9: level 5a	2076
10	10: level 5b	922
11	11: level 6	224
-83	-83: in school or training / not in school yet	3696
-87	-87: multiple answers	0
-89	-89: not codable	10
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1165
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The International Standard Classification of Education (ISCED) is a classification of educational attainment and level of education. The ISCED classification takes into account the country-specific complexity of educational programs in terms of the type and duration of school or training. It ranges from 0 (pre-primary level of education) to 6 (second stage of tertiary education, leading to an advanced research qualification).

The qualifications of the German education system can be assigned to the following ISCED-97 levels (cf. Schneider 2008):

- Level 0: Pre-primary education, such as Kindergarten
- Level 1: Primary school
- Level 2B: Elementary and lower secondary school and apprenticeship training
- Level 2A: Realschule, Mittlere Reife and Polytechnische Oberschule (GDR)
- Level 3B: Vocational training in the dual system, intermediate administrative training, vocational/college school-leaving certificate and one-year schools of health services
- Level 3A: Advanced technical college entrance qualification and Abitur (A-levels)
- Level 4B: Combination of two vocational degrees in ISCED 3B
- Level 4A: Qualification in both levels 3A and 3B
- Level 5B: Master craftsman/technician, 2 to 3 year school of health services, technical/vocational academy, technical school diploma (GDR) and technical school of administration
- Level 5A: Fachhochschule degree, university degree
- Level 6: Doctorate, PhD

The variable **eca0108** is constructed from the two generated variables for the highest school leaving certificate (**eca0130**) and the highest vocational qualification (**eca0230**). The ISCED variable generated for TwinLife does not include level 2B, as information on pre-vocational programs is not available. In F2F2 (in contrast to F2F 1), additionally to the highest vocational qualification, information on a further professional qualification (**eca0221**) was collected. This also allows ISCED level 4B (combination of two vocational qualifications in level 3B) to be coded in F2F 2. However, a retroactive adjustment for F2F 1 could not be made, as the year of completion of the further education was not available. There is also no information on the length of training at health schools. In these cases, a minimum of two years was assumed when classifying according to ISCED levels.

Please note that **eca0108** cannot be used as an ordinal scale because ISCED levels are divided into subcategories (e.g. levels 5A and 5B, where level 5A is a more advanced qualification than level 5B).

For more information on the ISCED classification, see OECD (1999), and Schneider (2008). OECD (Ed.). (1999). *Classifying educational programmes: Manual for ISCED-97 implementation in OECD countries*. Organisation for Economic Co-operation and Development. [URL link]; Schneider, S. L. (2008). *Applying the ISCED-97 to the German educational qualifications*. In (Ed.) Schneider, *The International Standard Classification of Education* (pp. 76-102). MZES, University of Mannheim. [URL link]

### **eca0109** – CASMIN educational classification (gen)

1	1: (1a) inadequately completed general education	84
2	2: (1b) general elementary education	157
3	3: (1c) general elementary education and vocational qualification	455

4	4: (2b gen) intermediate general qualification	312
5	5: (2a voc) intermediate general qualification and vocational qualification	1262
6	6: (2c gen) general maturity certificate	1157
7	7: (2c voc) general maturity certificate and vocational qualification	910
8	8: (3a) lower tertiary education	755
9	9: (3b) higher tertiary education	1652
-83	-83: in school or training/not in school yet	3699
-87	-87: multiple answers	0
-89	-89: not codable	5
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	1133
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

CASMIN (Comparative Analysis of Social Mobility in Industrial Nations) is a hierarchically structured educational scale that is classified on the basis of general school education and vocational qualifications. The CASMIN variable **eca0109** implemented for TwinLife is based on the highest school leaving certificate (**eca0130**) and the highest vocational qualification (**eca0230**).

For more information on the CASMIN classification, see Brauns et al. (2003), and Brauns & Steinmann (1999).

Brauns, Hildegard, Scherer, S., & Steinmann, S. (2003). *The CASMIN Educational Classification in International Comparative Research*. In J. H. P. Hoffmeyer-Zlotnik & C. Wolf (Eds.), *Advances in Cross-National Comparison: A European Working Book for Demographic and Socio-Economic Variables* (pp. 221-244). Springer US. [URL link]; Brauns, Hildegard, & Steinmann, S. (1999). *Educational reform in France, West-Germany and the United Kingdom: Updating the CASMIN educational classification*. *ZUMA Nachrichten*, 23(44), 7-44.

### eca0130 – highest degree of school (gen)

1	1: left school without school-leaving certificate	66
2	2: primary/lower secondary school-leaving certificate (GDR: grade 8)	595
3	3: intermediate secondary school-leaving certificate (GDR: grade 10)	1679
4	4: university of applied sciences entrance diploma (leaving certificate from a technical school)	889
5	5: Abitur/university entrance diploma	3459
-83	-83: in school/not in school yet	3345
-87	-87: multiple answers	0
-89	-89: not codable	9
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0



-95	-95: doesn't apply (screened out)	1539
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

Information on the highest school-leaving certificate was collected at the time of the first data collection (F2F1 or the first data collection a person participated in). In subsequent data collections, newly acquired school-leaving qualifications were collected and the previously recorded school-leaving qualification were replaced if the newly acquired qualification was a higher school degree. If graduation information from the school module (**eca**) is not available for respondents, missing graduation information from the report card module (**cer**) is integrated. Please note: For those participants who stated in the second face-to-face data collection (F2F 2) that they had obtained a new school leaving certificate, the information on the highest school leaving certificate was collected again. For some respondents who were wrongly identified as first-surveyed respondents, there are also duplicate entries in F2F1 and F2F2. If a higher school leaving certificate was reported in F2F 2 and the certificate was obtained before the interview of the first data collection, the highest school qualification was corrected retroactively. Open statements were recoded into categories 1 to 5. Special school qualifications (Foerderschule) were equated with the 'Hauptschulabschluss'. Open entries that could not be assigned to these categories were recoded into -89 (not codable). If respondents do not have graduation information from the school module, missing graduation information from the report card module is integrated.

#### **eca0230** – highest vocational or university degree (gen)

1	1: no vocational training or higher educational certificate (yet)	775
2	2: vocational training, vocational school, commercial school	1753
3	3: schools for healthcare	269
4	4: professional school, technical college, e.g., master craftsman's or technician's certificate	518
5	5: training for civil servants	87
6	6: university of applied sciences [from F2F 2]	481
7	7: university of cooperative education [from F2F 2]	107
8	8: university of applied sciences, university of cooperative education [only F2F 1]	167
9	9: university, higher educational institution	1428
10	10: PhD	224
11	11: other qualification	0
-83	-83: in training	1386
-87	-87: multiple answers	0
-89	-89: not codable	31
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	4355
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3



*Question text:*

*Filter based on instrument:* always asked/always generated

*Generated variable*

Information on the highest professional qualification was collected at the time of the first data collection (F2F1 or the first data collection a person participated in). In subsequent data collections, newly acquired professional degrees were collected and the previously recorded professional qualification was replaced if the newly acquired qualification was a higher professional degree. The second face-to-face data collection (F2F 2) again asked for the highest professional qualification as well as any further professional degree. If a higher professional certificate was reported in the second face-to-face data collection and the certificate was obtained before the interview of the first data collection, the highest professional qualification was corrected retroactively. The same applies to the family members who indicated in the first wave that they had obtained a degree from a 'Berufsakademie or Fachhochschule' (university of applied sciences, university of cooperative education). While these degrees were recorded jointly into one category in the first data collection (category 8), separate categories were introduced in the subsequent data collection (categories 6 and 7). A retroactive correction is thus made for those family members for whom both F2F1 and F2F2 contain information on the highest degree. The respondents' information on a second professional qualification (only available from F2F2) was also taken into account if this could be recognized as a higher qualification. Open statements were recoded into categories 1 to 10. Open entries that could not be assigned to these categories were recoded into -89 (not codable).

#### **eca0900** – new school graduation since last interview ( $\geq 15$ yr)

1	1: yes	289
2	2: no	5918
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	859
-95	-95: doesn't apply (screened out)	4506
-98	-98: don't know	9
-99	-99: not specified (refused to answer)	0

*Waves:* CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

*Generated variable*

In CATI3, **eca0900** also contains the proxy information of the parents of the variables **eca0900t** and **eca0900u**.

*Source:* Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altestichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

#### **eca0901** – new school graduation: type ( $\geq 15$ yr)

1	1: lower secondary school-leaving certificate	9
2	2: intermediate secondary school-leaving certificate	49
3	3: university of applied sciences entrance diploma (leaving certificate from a technical school)	41
4	4: Abitur/university entrance diploma	179
5	5: other school-leaving certificate:	6
6	6: no	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11292
-98	-98: don't know	5
-99	-99: not specified (refused to answer)	0

Waves: CATI 1; CATI 2; F2F 3; CATI 3

Question text: [IF proxy=2] What type of school-leaving qualification did you obtain? [IF proxy=1] What type of school-leaving qualification did <name> (ptyp) obtain? / What type of school-leaving qualification did your partner obtain?

Filter based on instrument: module 'employment/education' (CATI): eca0900 == 1

Source: Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

### eca1000 – new vocational qualification or academic degree since last interview (>= 15 yr)

1	1: yes	248
2	2: no	5947
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	862
-95	-95: doesn't apply (screened out)	4506
-98	-98: don't know	18
-99	-99: not specified (refused to answer)	0

Waves: CATI 1; CATI 2; F2F 3; CATI 3

Question text: [IF proxy=2] Since the last interview, i.e., <INTDATM/INTDATY>, have you obtained a vocational training or university degree? [IF proxy=1] Please indicate whether you or any of the following have obtained a vocational training or university degree since the last interview, i.e., since <INTDATM/INTDATY>? For this question, we are referring to the following family members: [names\_list] / Since the last interview, i.e., <INTDATM/INTDATY>, have you

or your partner obtained a vocational training or university degree? Of the persons named, who did so?

*Filter based on instrument:* module 'employment/education' (CATI): inlist(pty,1,2,200,110,120,200,300,400,500,600) & (res0600\_1 == 10 | res0600\_3 == 10) & age0110 >= 15

*Source:* Adapted from: TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Jugendfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Youth Questionnaire, Age Samples] (238: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

### eca1100 – University degree or training qualification

1	1: vocational training certificate	111
2	2: higher educational/university certificate	134
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	1
-95	-95: doesn't apply (screened out)	11332
-98	-98: don't know	2
-99	-99: not specified (refused to answer)	1

*Waves:* CATI 2; CATI 3

*Question text:* [IF proxy=2] Have you obtained a degree or training qualification? [IF proxy=1] Did <name> obtain a degree or training qualification? / Did your partner obtain a degree or training qualification?

*Filter based on instrument:* module 'employment/education' (CATI): eca1000 == 1

### eca1200 – Dropout from school, study or training y/n

1	1: yes	100
2	2: no	11195
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	258
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	28
-99	-99: not specified (refused to answer)	0

*Waves:* CATI 2; CATI 3

*Question text:* [IF proxy=2] Have you dropped out of school, training, or study since the last interview, i.e., since the <INTDATM INTDATY>? [IF proxy=1] Since the last interview, i.e., since the <INTDATM INTDATY>, have you or any of the following dropped out of school, training, or study? For this question,

we are referring to the following family members: [PROG: INSERT PERSONS BY NAME] / Since the last interview, i.e., since <INTDATM INTDATY>, have you or your partner dropped out of school, training, or study? Of the persons named, who did so?

*Filter based on instrument:* module 'employment/education' (CATI): inlist(ptyp,1,2,110,120,200,300,400,500,600)

### eca1201 – Dropout from school, study or training

---

1	1: School	11
2	2: Training	21
3	3: Study	65
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11481
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	2

*Waves:* CATI 2; CATI 3

*Question text:* [IF proxy=2] Did you drop out of school, training, or college? [IF proxy=1] Did <name> (ptyp) drop out of school, training, or college? / Did your partner drop out of school, training, or college?

*Filter based on instrument:* module 'employment/education' (CATI): eca1200 == 1

### edu0303 – type of higher education (>= 15 yr)

---

1	1: university of applied sciences	202
2	2: university, other higher educational institution (Bachelor or Master)	656
3	3: PhD	19
4	4: other, such as	45
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	10651
-98	-98: don't know	8
-99	-99: not specified (refused to answer)	0

*Waves:* F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

*Question text:* What kind of higher education is this?

*Filter based on instrument:* module 'employment/education' (CATI): (hpr0203==1) & (edu0320!=1 | edu0303\_3<0)

TNS Infratest Sozialforschung. (2012). SOEP 2003 - Erhebungsinstrumente 2003 (Welle 20) des Sozio-oekonomischen Panels. Personenfragebogen fuer alle [Survey instruments 2003 (wave 20) of the Socio-Economic Panel. Individual Questionnaire] (101: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

**edu0307** – type of vocational education ( $\geq 15$  yr)

1	1: year of vocational preparation which is accountable for vocational training	4
2	2: year of vocational preparation which is not accountable for vocational training	3
3	3: vocational schooling without vocational training	4
4	4: vocational training	238
5	5: full-time vocational school, business school	27
6	6: health care school	26
7	7: professional school, technical college, e.g., master craftsman's or technician's certificate	15
8	8: training for civil servants	11
9	9: other, such as	28
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11206
-98	-98: don't know	15
-99	-99: not specified (refused to answer)	4

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: What kind of vocational training is this?

Filter based on instrument: module 'employment/education' (CATI): (hpr0106==1) & (edu0330!=1 | edu0307\_3<0)

TNS Infratest Sozialforschung. (2012). SOEP 2003 - Erhebungsinstrumente 2003 (Welle 20) des Sozio-oekonomischen Panels. Personenfragebogen fuer alle [Survey instruments 2003 (wave 20) of the Socio-Economic Panel. Individual Questionnaire] (101: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

**edu0320** – university attendance as in previous data collection ( $\geq 15$  yr)

1	1: yes	364
2	2: no	14
-81	-81: incorrect information on university attendance	6
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	34
-95	-95: doesn't apply (screened out)	11162
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	0

Waves: CATI 2; CATI 3

Question text: You said you were attending [edu0303\_3] when you were last surveyed in [INTDATM/INTDATY]. Is this still currently true?

Filter based on instrument: module 'employment/education' (CATI): proxy != 1 & hpr0203==1 & inrange(edu0303\_3,1,4)

**edu0330** – apprenticeship as in previous data collection ( $\geq 15$  yr)

1	1: yes	134
2	2: no	9
-81	-81: incorrect information on apprenticeship	3
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	5
-95	-95: doesn't apply (screened out)	11430
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2; CATI 3

*Question text:* [IF edu0307[preload] = 1,2,4,8] You said you were doing a <edu0307\_2[preload]> when you were last interviewed in [INTDATM/INTDATY]. Is this still currently true? [IF edu0307\_2[preload] = 3,5,6,7] You said you were attending a <edu0307\_2[preload]> when you were last interviewed in [INTDATM/INTDATY]. Is this still currently true? [IF edu0307\_2[preload] = 9] I recorded the following in response to the question about what kind of vocational training you are doing during the last interview: <edu0308\_2[preload]>. Is this still currently true?

*Filter based on instrument:* module 'employment/education' (CATI): proxy != 1 & hpr0106==1 & inrange(edu0307\_3,1,9)

**edu0400** – type of school ( $> 10$  yr)

1	1: primary school	1385
2	2: orientation school [until F2F 2]	0
3	3: lower secondary school	28
4	4: intermediate-level secondary school	277
5	5: integrated lower and intermediate-level secondary school	111
6	6: comprehensive school	329
7	7: Waldorf school (Rudolf Steiner school)	44
8	8: upper secondary school	1077
9	9: school for children with special needs	38
10	10: other school, namely	111
11	11: Technical secondary school [from F2F 2]	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	8165
-98	-98: don't know	4
-99	-99: not specified (refused to answer)	12

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

*Generated variable*

The response option 'orientation school' (German: 'Orientierungsschule') was incorrectly

given in the questionnaire until data collection F2F2, although this type of school no longer exists in Germany. Therefore, this category was deleted from CATI2 onwards. In CATI3, edu0400 also contains the proxy information of the parents of the variables edu0400t and edu0400u.

*TNS Infratest Sozialforschung. (2012). SOEP 2003 - Erhebungsinstrumente 2003 (Welle 20) des Sozio-oekonomischen Panels. Personenfragebogen fuer alle [Survey instruments 2003 (wave 20) of the Socio-Economic Panel. Individual Questionnaire] (101: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]*

### edu0402 – school class (> 10 yr)

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	8166
-98	-98: don't know	15
-99	-99: not specified (refused to answer)	10

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Generated variable

In CATI3, **edu0402** also contains the proxy information of the parents of the variables **edu0402t** and **edu0402u**.

Source: Adapted from: pairfam Group. (2022). Child Codebook, Wave 4 (2011/2012), Release 13.0 (ZA5678 Data file version 13.0.0; GESIS Data Archive). [URL link]

### edu0420 – school attendance as in previous data collection (>= 15 yr)

1	1: yes	15
2	2: no	11
-81	-81: incorrect information on school attendance	14
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11541
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2; CATI 3

Question text: You said you attended [edu0400\_2[Preload]] when you were last interviewed in [INTDATM/INTDATY]. Is this still currently true?

Filter based on instrument: module 'employment/education' (CATI): proxy != 1 & hpr0102==1 & inrange(edu0400\_3,1,11)



## 12 Employment status of household members

This chapter contains information on: educational and employment status of all household members (employment / education / vocational training / parental leave / pension).

### hpr0101 – employment status - kindergarten/child care institution

0	0: not mentioned	25
1	1: mentioned	22
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	3
-95	-95: doesn't apply (screened out)	11531
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): age0110<=6 & ((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1))

Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). *German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52.* [URL link]

### hpr0102 – employment status - in school - first education path

0	0: not mentioned	7815
1	1: mentioned	3431
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	187
-95	-95: doesn't apply (screened out)	148
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): inrange(age0110,5,66) & proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2)))



Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

#### hpr0104 – employment status - employed full-time

0	0: not mentioned	4295
1	1: mentioned	3754
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	188
-95	-95: doesn't apply (screened out)	3344
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): inrange(age0110,16,66) & (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

#### hpr0105 – employment status - employed part-time - also in more than one job

0	0: not mentioned	6690
1	1: mentioned	1368
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	179
-95	-95: doesn't apply (screened out)	3344
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): inrange(age0110,16,66) & (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

### hpr0106 – employment status - vocational training/apprenticeship/retraining

0	0: not mentioned	7546
1	1: mentioned	509
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	182
-95	-95: doesn't apply (screened out)	3344
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): inrange(age0110,16,66) & (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

### hpr0107 – employment status - marginally employed/mini-job/1-euro-job

0	0: not mentioned	7411
1	1: mentioned	647
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	179
-95	-95: doesn't apply (screened out)	3344
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): inrange(age0110,16,66) & (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

### hpr0108 – employment status - occasionally/irregularly employed

0	0: not mentioned	7782
1	1: mentioned	276
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	179
-95	-95: doesn't apply (screened out)	3344
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 2; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): inrange(age0110,16,66) & (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

### hpr0109 – employment status - voluntary military service

0	0: not mentioned	7737
1	1: mentioned	11
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	172
-95	-95: doesn't apply (screened out)	3661
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): inrange(age0110,17,66) & (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

### hpr0110 – employment status - voluntary social/ecological year

0	0: not mentioned	7701
1	1: mentioned	47
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	172
-95	-95: doesn't apply (screened out)	3661
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): inrange(age0110,17,66) & (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

### hpr0111 – employment status - unemployed/seeking employment

0	0: not mentioned	7838
1	1: mentioned	220
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	179
-95	-95: doesn't apply (screened out)	3344
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): inrange(age0110,16,66) & (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

### hpr0112 – employment status - maternity/parental leave/special leave

0	0: not mentioned	7984
1	1: mentioned	74
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	179
-95	-95: doesn't apply (screened out)	3344
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): inrange(age0110,16,66) & (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

### hpr0113 – employment status - housewife/househusband

0	0: not mentioned	6898
1	1: mentioned	752
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	171
-95	-95: doesn't apply (screened out)	3760
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): inrange(age0110,18,66) & (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

#### hpr0114 – employment status - in (early) retirement/occupational disability

0	0: not mentioned	7903
1	1: mentioned	199
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	181
-95	-95: doesn't apply (screened out)	3298
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): age0110>=16 & (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

#### hpr0115 – employment status - partial retirement with zero working hours

0	0: not mentioned	506
1	1: mentioned	10
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	22
-95	-95: doesn't apply (screened out)	11043
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): age0110>=58 & (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))



Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

### hpr0116 – employment status - not employed

0	0: not mentioned	8006
1	1: mentioned	52
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	179
-95	-95: doesn't apply (screened out)	3344
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): inrange(age0110,16,66) & (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

Source: Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

### hpr0117 – employment status - in private care

0	0: not mentioned	46
1	1: mentioned	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	3
-95	-95: doesn't apply (screened out)	11531
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 2; CATI 2; F2F 3

Question text: [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

Filter based on instrument: module 'household questionnaire' (CATI): age0110<=6 & ((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1))

**hpr0120** – employment status - other

0	0: not mentioned	11055
1	1: mentioned	180
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	198
-95	-95: doesn't apply (screened out)	148
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; F2F 2; CATI 2; F2F 3; CATI 3

**Question text:** [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

**Filter based on instrument:** module 'household questionnaire' (CATI): (proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

**Source:** Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]

**hpr0203** – employment status - university

0	0: not mentioned	9952
1	1: mentioned	1294
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	187
-95	-95: doesn't apply (screened out)	148
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2; CATI 3

**Question text:** [MCQ] Please indicate what currently applies to you in terms of school or employment. [LOOP] Please indicate what currently applies to <NAME> concerning school or employment.

**Filter based on instrument:** module 'household questionnaire' (CATI): age0110>=16 & proxy!=1 | (((ptyp==1 & flt==1) | (ptyp==2 & flu==1) | (ptyp==200 & fls==1) | (ptyp==300 & flm==1) | (ptyp==400 & flf==1) | (ptyp==500 & flg==1) | (ptyp==600 & fln==1)) | (proxy == 1 & (ptyp==110 & flp==1 & version\_ptyp==1) | (ptyp==120 & flq==1 & version\_ptyp==2))))

**Source:** Adapted from: Motel-Klingebiel, A., Tesch-Roemer, C., Wurm, S., Engstler, H., Huxhold, O., Juergens, O., Mahne, K., Schoellgen, I., & Wiest, M. (2010). German Ageing Survey (DEAS): The second half of life. Research Instruments of the Third Wave. 52. [URL link]



### 13 Employment status, current position and job-related burden

This chapter contains information on: classification of occupation; occupational status.

#### **emp0503** – ISCO-08 of occ. activity, 2 digits based on emp0500 (gen)

1	01: commissioned armed forces officers	2
2	02: non-commissioned armed forces officers	0
3	03: armed forces occupations, other ranks	1
4	04: soldier/professional soldier, not specified	10
11	11: chief executives, senior officials and legislators	22
12	12: administrative and commercial managers	17
13	13: production and specialised services managers	23
14	14: hospitality, retail and other services managers	4
20	20: academic professionals, not specified	16
21	21: science and engineering professionals	94
22	22: health professionals	67
23	23: teaching professionals	197
24	24: business and administration professionals	91
25	25: information and communications technology professionals	28
26	26: legal, social and cultural professionals	113
...	(30 rows omitted)	1368
92	92: agricultural, forestry and fishery labourers	1
93	93: labourers in mining, construction, manufacturing and transport	37
94	94: food preparation assistants	11
95	95: street and related sales and service workers	0
96	96: refuse workers and other elementary workers	10
-81	-81: does not apply: no occupational activity mentioned	6
-87	-87: multiple answers	0
-89	-89: not codable	22
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	99
-95	-95: doesn't apply (screened out)	9337
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	5

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The International Standard Classification of Occupations from 2008 (ISCO-08) classifies occupations (internationally comparably) considering the required skill level (degree of complexity, based on the educational qualification) of an occupation as well as the skill specialization (the type of skills that are needed especially for this occupation). TwinLife delivers the ISCO classification on the sub-major group level (two digits) for the occupational activity (**emp0503** and **emp0513**), the field of study of the highest vocational qualification (**eca0205**) and as well as the occupational activities of the twins' grandparents (**bpa0208**, **bpa0308**, **bpa0508**, **bpa0608**). For more information about the ISCO classification visit the ILO website (URL

Link). The open-ended responses on occupation were coded into ISCO-08 by the survey institute (TNS Infratest/Kantar for F2F 1, infas for F2F 2), taking the following information into account, if available: occupational status (**emp0600**), public service yes/no (**emp0702**), supervisory function (**emp0601**, **emp0603**, **emp0605**), type of managerial position (**emp0606**), educational degree (**eca0100**), and vocational training (**eca0200**). Infratest performs the coding on the basis of an electronically available directory developed by Statistik Austria (see TNS Infratest/Kantar ISCO-08 documentation (URL Link) on the TwinLife documentation website (URL Link)). Infas bases the ISCO coding on specifications developed by GESIS. The exact procedure of occupation coding was described in detail by Geis and Hoffmeyer-Zlotnik (2000) using ISCO-88 as an example. In addition, extensive guidance on the practical implementation of occupational coding can be found in Geis (2011). Building on this knowledge of ISCO-88, there is the ISCO-08 code scheme, explanations and notes on the differences between ISCO-08 and ISCO-88. These have been coordinated by infas with GESIS. Specifications that could not translated into the schemes (such as 'team leader', 'specialist', or 'intern') were coded into -81 (no occupation or occupational activity mentioned) or -89 (not codable).

*Please note:* In the telephone surveys (CATI 1, CATI 2, etc.), questions about current occupation were only asked if the occupation had changed since the last survey (CATI 1: IF emp1400==1; CATI 2 ff.: IF emp0520==2). For respondents who did not indicate a change in occupation (CATI 1: IF emp1400==2; CATI 2 ff.: IF emp0520==1), we fill in **emp0503** on current occupation with information from the previous data collection. Note that some detailed employment information (such as detailed occupational status) was not asked in CATI to code occupation in ISCO-08 comparable to F2F 1 and F2F 2 when there was an occupational change. A direct comparison with the information in the face-to-face surveys may not be possible in some cases as a result.

Geis, A. (2011). *Handbuch fuer die Berufsvercodung*. Gesis. [URL link]; Geis, A., & Hoffmeyer-Zlotnik, J. H. P. (2000). *Stand der Berufscodierung*. ZUMA-Nachrichten, 47, 103-128.; International Labour Office. (2012). *International Standard Classification of Occupations: ISCO-08. Volume 1: Structure, group definitions and correspondence tables (Vol. 1)*. International Labour Office. [URL link]

### **emp0505** – ISEI based on ISCO-08 (International Socio Economic Index) (gen)

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	9482
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

ISEI (International Socio-Economic Index of Occupational Status) is a measure of a person's socio-economic status and takes into account the individual's occupation, income and education. ISEI-08 categories range from 12 to 90. **emp0505** represents the ISEI of the current job

position. The variable has been coded on the basis of the four-digit version of the ISCO-08 classification (unit group level) of the exact job description (**emp0503\_iuf**, please note that only the two-digit version (sub-major groups) of ISCO-08 is part of the SUF, see **emp0503**). It was created using the Stata program *iscogen.ado* (Jann, B. (2019)), which is based on the SPSS script *isqoisei08.sps* by Harry Ganzeboom. **emp0505** was only generated for F2F 1 (wid 1) and F2F 2 (wid 3). For more information see Ganzeboom & Treiman (1996) and Ganzeboom (2010).

*Please note:* In the telephone surveys (CATI 1, CATI 2, etc.), questions about current occupation were only asked if the occupation had not changed since the last survey. In these cases, we fill the variable on current occupation with the information from the previous data collection.

Ganzeboom, H. B. G., & Treiman, D. J. (1996). *Internationally Comparable Measures of Occupational Status for the 1988 International Standard Classification of Occupations*. *Social Science Research*, 25(3), 201-239. [URL link]; Ganzeboom, Harry B.G. (2010). *International Standard Classification of Occupations: ISCO-08. With ISEI-08 scores*. [URL link]; Jann, B. (2019). *ISCOGEN: Stata module to translate ISCO codes*. [URL link]

### **emp0506** – SIOPS based on ISCO-08 (Standard Int. Occupational Prestige Scale) (gen)

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	9482
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

*Waves:* F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

*Question text:*

*Filter based on instrument:* always asked/always generated

*Generated variable*

SIOPS (Standard Index of Occupational Prestige Scala) is a classification for a prestige ranking of occupations (ranging from 0 to 100). **emp0506** represents the SIOPS of the current job position. The variable has been coded on the basis of the four-digit version of the ISCO-08 classification (unit group level) of the exact job description (**emp0503\_iuf**, please note that only the two-digit version (sub-major groups) of ISCO-08 is part of the SUF, see **emp0503**). It was created using the Stata program *iscogen.ado* (Jann, B. (2019)). **emp0506** was only generated for F2F 1 (wid 1) and F2F 2 (wid 3). For more information see Ganzeboom & Treiman (1996).

*Please note:* In the telephone surveys (CATI 1, CATI 2, etc.), questions about current occupation were only asked if the occupation had not changed since the last survey. In these cases, we fill the variable on current occupation with the information from the previous data collection.

Ganzeboom, H. B. G., & Treiman, D. J. (1996). *Internationally Comparable Measures of Occupational Status for the 1988 International Standard Classification of Occupations*. *Social Science Research*, 25(3), 201-239. [URL link]; Ganzeboom, Harry B.G. (2010). *International Standard Classification of Occupations: ISCO-08. With ISEI-08 scores*. [URL link]; Jann, B. (2019). *ISCOGEN: Stata module to translate ISCO codes*. [URL link]

**emp0520** – occupational activity as in previous data collection ( $\geq 15$  yr)

1	1: yes	1293
2	2: no	164
-81	-81: incorrect occupation information	23
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	53
-95	-95: doesn't apply (screened out)	10048
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2; CATI 3

Question text: You said you worked as a [emp0500\_2[preload]] when you were last interviewed in [INTDATM/INTDATY]. Is this still currently true?

Filter based on instrument: module 'employment/education' (CATI): (hpr0104==1 | hpr0105==1 | hpr0107==1) & !missing(emp0500\_3) & proxy != 1

**emp0600** – occupational status ( $\geq 16$  yr)

1	1: blue-collar worker (Arbeiter) (also in agriculture)	67
2	2: white-collar worker (Angestellte)	423
3	3: civil servant (including judges and professional soldiers)	28
4	4: self-employed (including family members working for the self-employed)	52
5	5: apprentices / trainees / interns	52
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	10937
-98	-98: don't know	12
-99	-99: not specified (refused to answer)	10

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3; CoV 2

Question text: In what professional position are you currently employed?

Filter based on instrument: module 'employment/education' (CATI): proxy != 1 & ((hpr0104==1 | hpr0105==1 | hpr0107==1) & emp0620!=1) | ((hpr0104==1 | hpr0105==1 | hpr0107==1) & emp0600\_3<0) | (hpr0112==1) | (hpr0115==1)

TNS Infratest Sozialforschung TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Personenfragebogen, Altstichproben. [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Individual Questionnaire, Age Samples] (235: Series A; SOEP Survey Papers). DIW/SOEP. [URL link]

**emp0620** – occupational status as in previous data collection ( $\geq 15$  yr)

1	1: yes	1388
---	--------	------

2	2: no	77
-81	-81: incorrect occupation information	7
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	53
-95	-95: doesn't apply (screened out)	10054
-98	-98: don't know	2
-99	-99: not specified (refused to answer)	0

Waves: CATI 2; CATI 3

*Question text:* In the last interview, we noted that you worked in [INTDATM/INTDATY] as [emp0600\_2[preload]]. Is that still true at the moment?

*Filter based on instrument:* module 'employment/education' (CATI): (hpr0104==1 | hpr0105==1 | hpr0107==1) & inrange(emp0600\_3,1,5) & proxy != 1

## 14 Wages, income, welfare dependency

This chapter contains information on: wages, income.

**inc0401** – monthly household net income of all hh members (inc0400 inc0404 manip.) (gen)

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	250
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	4550
-98	-98: don't know	96
-99	-99: not specified (refused to answer)	191

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

*Question text:*

*Filter based on instrument:* always asked/always generated

*Generated variable*

Twin families are a special type of family that could be de-anonymized more easily than other families when combining several characteristics known from the data, especially when these characteristics exceedingly diverge from the average, such as a very high or very low income. In order to ensure the anonymity of the twin families, very high and very low values of the household income variable **inc0400** are manipulated in a way that the incomes cannot lead back to one household or individual, but the income distribution, as well as analyses, are not affected by the alterations. The manipulation follows the recommendations of Wirth (1992). In order to process a maximum of income information, the first step is to integrate the specification of income categories from **inc0403** into the variable **inc0400**. Here, the middle of the specified category is used. In F2F 2, CATI 2 and F2F 3, the yearly household income (**inc0404**) was also recorded as an alternative - this information is also converted

first (divided by 12) and then integrated into **inc0400**. In CATI 1, household income was recorded at the personal level. Therefore, it may happen that within one household several different household incomes are specified. Here, the median of all information provided in the household was used. Finally, following Wirth (1992), the five highest and lowest income specifications are replaced by their average (manipulation of the strongest outliers) and the 10% highest and lowest income statements are assigned a random error of +/- 1% of the initial value using a random variable. As a result, 80% of the incomes are not affected by the manipulation. The resulting manipulated variable **inc0401** is supplied in the SUF. Conspicuous values are recorded and flagged in the variables **inc0420**, **inc0421**, **inc0423** and **inc0423**.

*Please note:* Due to the reduced questionnaire in CATI 2 (wid=4), twins in cohorts 3 and 4 were not asked about their household income if they were still living with at least one parent. As a result, mean and median incomes are much lower than in previous data collections in these cohorts.

*Source:* Adapted from: Heike, W. (1992). *Die faktische Anonymität von Mikrodaten: Ergebnisse und Konsequenzen eines Forschungsprojektes*. [The factual anonymity of microdata: Results and consequences of a research project]. ZUMA Nachrichten, 16, 7-65.; TNS Infratest Sozialforschung. (2014). *SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Haushaltsfragebogen, Altstichproben* [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Household Questionnaire, Age Samples] (236: Series A; SOEP Survey Papers). DIW/SOEP; [https://www.diw.de/documents/publikationen/73/diw\\_01.c.570856.de/diw\\_ssp0236.pdf](https://www.diw.de/documents/publikationen/73/diw_01.c.570856.de/diw_ssp0236.pdf). [URL link]

**inc0411** – net equivalent hh-income (modif.OECD scheme) using inc0401 inc0403 age0200 (gen)

-81	-81: unknown household constellation	0
-82	-82: unknown income or household constellation	22
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	250
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	8
-95	-95: doesn't apply (screened out)	4550
-98	-98: don't know	96
-99	-99: not specified (refused to answer)	191

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

Besides the (manipulated) household income, we generate and provide the net equivalent household income using the modified OECD scale (<http://www.oecd.org/els/soc/OECD-Note-Equivalenc.pdf>). For this generated variable, the household size and composition are taken into account. The concept is based on the assumption that people (e.g., two adults) save money and are fictitiously 'richer' by living together in one household and sharing a common budget and the fixed costs instead of living in separate households. For more information about the concept, see OECD (2011). For this purpose, the household composition recorded in the household questionnaire is used to calculate how many adult persons (aged 14 and older) and how many children (under 14) live in the household. In CATI 2 and 3, the household composition was not recorded systematically by the interviewer, but was surveyed in the



household questionnaire. This self-report of the respondent was used as the basis for calculating the equivalence income. According to OECD (2011), the 'household head' gets a weight of 1, each further adult person gets a weight of 0.5, and each child a weight of 0.3. The household income is then divided by the sum of all weights in the household. The resulting variable **inc0411**, the net equivalent household income, is published in the SUF.

*Please note:* Due to the reduced questionnaire in CATI 2 (wid=4), twins in cohorts 3 and 4 were not asked about their household income if they were still living with at least one parent.

*Source: Adapted from: Heike, W. (1992). Die faktische Anonymität von Mikrodaten: Ergebnisse und Konsequenzen eines Forschungsprojektes. [The factual anonymity of microdata: Results and consequences of a research project]. ZUMA Nachrichten, 16, 7-65.; TNS Infratest Sozialforschung. (2014). SOEP 2014 - Erhebungsinstrumente 2014 (Welle 31) des Sozio-oekonomischen Panels: Haushaltsfragebogen, Altstichproben [Survey instruments 2014 (wave 31) of the Socio-Economic Panel: Household Questionnaire, Age Samples] (236: Series A; SOEP Survey Papers). DIW/SOEP; [https://www.diw.de/documents/publikationen/73/diw\\_01.c.570856.de/diw\\_ssp0236.pdf](https://www.diw.de/documents/publikationen/73/diw_01.c.570856.de/diw_ssp0236.pdf). [URL link]*

#### **inc0420** – flag: yearly income integrated in inc0401 (gen)

0	0: no change made	6380
1	1: yearly income integrated in inc0401	111
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	250
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	4840
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Question text:

Filter based on instrument: always asked/always generated

Generated variable

This flag variable indicates whether the annual income specification (**inc0404**) divided by 12 has been included in the generated monthly household income variable (**inc0401**).

#### **inc0421** – flag: unexpected income development in inc0401 (gen)

0	0: no conspicuity	6486
1	1: unexpected income development in inc0401	5
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	250
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	4840
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

*Question text:*

*Filter based on instrument:* always asked/always generated

*Generated variable*

This flag variable indicates there has been an 'unexpected income development'. This is defined as a deviation from the median income reported across all waves by a factor of 12. The assumption here is that annual rather than monthly income was inadvertently reported in **inc0400**.

**inc0422** – flag: multiple of child allowance specified in inc0401 (gen)

---

0	0: no change made	6487
1	1: yearly income integrated in inc0401	4
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	250
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	4840
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

*Waves:* F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

*Question text:*

*Filter based on instrument:* always asked/always generated

*Generated variable*

This flag variable indicates whether a multiple of child allowances are specified in the generated monthly household income variable (**inc0401**). Imprecise question wording in F2F 1 may have led respondents to relate the question about monthly household income to the total of their government benefit payments (public services). This is only verifiable for child allowances, as this is the only fixed (and thus known to us) variable for government benefits. The number of cases in F2F 1 for which the flag applies suggests that an even larger proportion of households could have reported the sum of government benefits received, which should be kept in mind when analyzing the variable.

## 15 Personality / Temperament

This chapter contains information on: gambling question.

**ris0100** – risk tolerance (t,u,m,f, >=18 yr)

---

1	1: The whole amount of 100,000 euros	195
2	2: 80.000 Euro	93
3	3: 60.000 Euro	312
4	4: 40.000 Euro	453
5	5: 20.000 Euro	403
6	6: nothing at all, would reject the offer	1547
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0



-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	8562
-98	-98: don't know	11
-99	-99: not specified (refused to answer)	5

Waves: CATI 2

*Question text:* Finally, we would like to ask you a question about your willingness to take risks. Please consider what you would do in the following situation: You win 100,000 euros in a lottery and you receive an offer. If you accept this offer, the chance of doubling your 100,000 euros is just as high as the risk of losing half of the money. You can participate with all or part of your 100,000 euros or reject the offer completely. What part of the 100,000 euros would you wager? (Remember: you can either double your money or lose half).

*Filter based on instrument:* module 'twin-specific questions' (CATI): ptyp==version\_ptyp

## 16 Life events

This chapter contains information on: occurrence and subjective evaluation of different life events (e.g., marriage, death, unemployment).

### lev0100 – life events: separation (>= 10 yr)

1	1: yes	4
2	2: yes, divorce (asked for >= 16 yrs)	28
3	3: yes, separated (asked for >= 16 yrs)	319
4	4: yes, as well divorced as separated (asked for >= 16 yrs)	9
5	5: no	10705
6	6: no, I have / had no boyfriend or partner / no girlfriend or partner	0
7	7: no, I've never had a boyfriend or partner / girlfriend or partner	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	17
-95	-95: doesn't apply (screened out)	471
-98	-98: don't know	22
-99	-99: not specified (refused to answer)	6

Waves: CATI 1; F2F 2; CATI 2; F2F 3

*Question text:* In the past 12 months, have you or any of the other named people in your family separated or divorced from your partner? [PROG: fade in family members over 10 years; [If ptyp = 001]: family members 002, 110, 200, 300, 400, 500, 600 [If ptyp = 002]: family members 001, 120, 200, 300, 400, 500, 600 [If ptyp = 300, 400, 500, 600]: family members 001, 002, 200, 300, 400, 500, 600] Who did this? Please name in order all the people in your family to whom this applies, including yourself. [PROG: fade in family members over 10 years of age.] [IF proxy=2] Have you separated or divorced from a partner in the last 12 months? You have indicated that <NAME named person / type of

person> has separated or divorced from a partner. [IF respondent = named person: you yourself have separated or divorced from a partner] What exactly was the case?

*Filter based on instrument:* module 'life events' (CATI): inlist(ptyp,1,2,200,300,400,500,600) | (version\_fq==2 & version\_ptyp == 1 & ptyp == 110 & flp == 1) | (version\_fq==2 & version\_ptyp == 2 & ptyp == 120 & flq == 1)

*Item developed for TwinLife.*

#### lev0500 – life events: new relationship (>= 10 yr)

---

1	1: yes	10
2	2: yes, new relationship (asked for >= 16 yrs)	317
3	3: yes, married (asked for >= 16 yrs)	69
4	4: yes, as well new relationship as married (asked for >= 16 yrs)	0
5	5: no	10673
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	14
-95	-95: doesn't apply (screened out)	471
-98	-98: don't know	21
-99	-99: not specified (refused to answer)	6

*Waves:* CATI 1; F2F 2; CATI 2; F2F 3

*Question text:* Have you yourself or any of the named people in your family entered into a new relationship or gotten married in the last 12 months? Who did this? Please name everyone in your family to whom this applies, including yourself. [PROG: Overlay family members over the age of 10.] [IF proxy=2] Have you yourself entered into a new relationship or gotten married in the last 12 months? You indicated that <NAME named person / type of person> [IF respondent = named person: yourself] entered into a new relationship or got married [IF respondent = named person: entered into a new relationship or got married]. What was it exactly?

*Filter based on instrument:* module 'life events' (CATI): inlist(ptyp,1,2,200,300,400,500,600) | (version\_fq==2 & version\_ptyp == 1 & ptyp == 110 & flp == 1) | (version\_fq==2 & version\_ptyp == 2 & ptyp == 120 & flq == 1)

*Item developed for TwinLife.*

#### lev0900 – life events: money worries (>= 14 yr)

---

1	1: yes	207
2	2: no	11199
-84	-84: unassignable	5
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0

-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	20
-95	-95: doesn't apply (screened out)	134
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	16

Waves: CATI 1; F2F 2; CATI 2; F2F 3

*Question text:* In the past 12 months, have you or any of the named people in your family had major money worries or severe financial problems? [PROG: display family members] [If ptyp = 001]: family members 002, 110, 200, 300, 400, 500, 600 [If ptyp = 002]: family members 001, 120, 200, 300, 400, 500, 600 [If ptyp = 300, 400, 500, 600]: family members 001, 002, 200, 300, 400, 500, 600] Who did this? Please name everyone to whom this applies, including yourself. [PROG: display family members] [IF version\_fq = 2,3 & version\_ptyp = 1,2] Have you [IF Partner1\_present=1 OR Partner2\_present=1: or your partner] had major money worries or severe financial problems in the last 12 months? Who was that?

*Filter based on instrument:* module 'life events' (CATI): inlist(ptyp,1,2,200,300,400,500,600) | (inlist(version\_fq,2,3) & version\_ptyp == 1 & ptyp == 110 & flp == 1) | (inlist(version\_fq,2,3) & version\_ptyp == 2 & ptyp == 120 & flq == 1)

*Item developed for TwinLife.*

#### lev1100 – life events: Pregnancy/ birth (>= 16 yr)

1	1: yes	0
2	2: yes, had a child	50
3	3: yes, was pregnant	2
4	4: yes, at the start of a pregnancy	22
5	5: no	11350
-81	-81: does not apply, had no partner	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	15
-95	-95: doesn't apply (screened out)	134
-98	-98: don't know	4
-99	-99: not specified (refused to answer)	4

Waves: CATI 1; F2F 2; CATI 2; F2F 3

*Question text:* [IF sex=2]: Have you yourself or any of the named persons in your family had a child in the last 12 months, or have you been or are you or any of the named persons in your family pregnant? [IF sex=1]: In the last 12 months, have any of the named persons in your family had a child, or have any of the named persons in your family been or are pregnant? [PROG: insert family members female over 16 ] [If ptyp = 001]: family members 002, 110, 200, 300, 400, 500, 600 [If ptyp = 002]: family members 001, 120, 200, 300, 400, 500, 600 [If ptyp = 300, 400, 500, 600]: family members 001, 002, 200, 300, 400, 500, 600] Who did this? Please name all persons to whom this applies, including

yourself [PROG: fade in family members female over 16 ]. [IF proxy=2][IF sex[respondent]=2]: Have you yourself had a child or been or are you pregnant in the last 12 months? [IF sex[respondent]=1]: Have you yourself [IF partner1\_present=1 OR partner2\_present=1: or your partner] had a child in the last 12 months [IF partner1\_present=1 OR partner2\_present=1: or your partner was or is pregnant]? Who was that? You indicated that <NAME named person / type of person> [IF respondent = named person: <yourself>] had a child or was/is pregnant in the last 12 months [IF respondent = named person: <had a child or was/is pregnant in the last 12 months>]. Which of the following was it?

*Filter based on instrument: module 'life events' (CATI): inlist(ptyp,1,2,200,300,400,500,600) | (inlist(version\_fq,2,3) & version\_ptyp == 1 & ptyp == 110 & flp == 1) | (inlist(version\_fq,2,3) & version\_ptyp == 2 & ptyp == 120 & flq == 1)*

*Item developed for TwinLife.*

#### lev1400 – life events: accident/ illness (>= 10 yr)

1	1: yes	263
2	2: no	11153
-84	-84: unassignable	14
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	15
-95	-95: doesn't apply (screened out)	134
-98	-98: don't know	2
-99	-99: not specified (refused to answer)	0

*Waves: CATI 1; F2F 2; CATI 2*

*Question text:* Have any of the above people in your family or yourself had a serious accident, serious injury, or sudden serious illness in the past 12 months? [PROG: Insert family members.] Who did this? Please name everyone to whom this applies, including yourself. [PROG: display family members] Have you yourself [IF Partner1\_present=1 OR Partner2\_present=1: or your partner] had a serious accident, serious injury, or sudden serious illness in the last 12 months? Who was that?

*Filter based on instrument: module 'life events' (CATI): inlist(ptyp,1,2,200,300,400,500,600) | (inlist(version\_fq,2,3) & version\_ptyp == 1 & ptyp == 110 & flp == 1) | (inlist(version\_fq,2,3) & version\_ptyp == 2 & ptyp == 120 & flq == 1)*

*Item developed for TwinLife.*

#### lev1700 – life events: disability family member (>= 10 yr)

1	1: yes	301
2	2: no	11098
-84	-84: unassignable	16

-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	19
-95	-95: doesn't apply (screened out)	134
-98	-98: don't know	13
-99	-99: not specified (refused to answer)	0

Waves: CATI 1; F2F 2; CATI 2

*Question text:* In the past 12 months, is any of the above people in your family or you yourself affected by a permanent severe disability, physical impairment or mental disorder? [PROG: insert family members] [If ptyp = 001]: family members 002, 110, 200, 300, 400, 500, 600 [If ptyp = 002]: family members 001, 120, 200, 300, 400, 500, 600 [If ptyp = 300, 400, 500, 600]: family members 001, 002, 200, 300, 400, 500, 600] Who did this? Please name everyone to whom this applies, including yourself. [PROG: display family members] Are you or were you [IF Partner1\_present=1 OR Partner2\_present=1: or your partner] affected by a permanent severe disability, physical impairment or mental disorder in the last 12 months? Who was that?

*Filter based on instrument:* module 'life events' (CATI): inlist(ptyp,1,2,200,300,400,500,600) | (inlist(version\_fq,2,3) & version\_ptyp == 1 & ptyp == 110 & flp == 1) | (inlist(version\_fq,2,3) & version\_ptyp == 2 & ptyp == 120 & flq == 1)

*Item developed for TwinLife.*

### lev1800 – life events: own job loss (>= 16 yr)

1	1: yes	135
2	2: no	11281
-81	-81: does not apply, I did not work	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	15
-95	-95: doesn't apply (screened out)	134
-98	-98: don't know	7
-99	-99: not specified (refused to answer)	9

Waves: CATI 1; F2F 2; CATI 2; F2F 3

*Question text:* Have you yourself or any of the other named people in your family lost their jobs in the last 12 months? [PROG: display family members] [If ptyp = 001]: family members 002, 110, 200, 300, 400, 500, 600 [If ptyp = 002]: family members 001, 120, 200, 300, 400, 500, 600 [If ptyp = 300, 400, 500, 600]: family members 001, 002, 200, 300, 400, 500, 600] Who did this? Please name everyone to whom this applies, including yourself. [PROG: display family members over 10 years of age.] [IF version\_fq = 2,3 & version\_ptyp = 1,2]

Have you [IF partner1\_present=1 OR partner2\_present=1: or your partner] lost your job in the last 12 months? Who was that?

*Filter based on instrument:* module 'life events' (CATI): inlist(ptyp,1,2,200,300,400,500,600) | (inlist(version\_fq,2,3) & version\_ptyp == 1 & ptyp == 110 & flp == 1) | (inlist(version\_fq,2,3) & version\_ptyp == 2 & ptyp == 120 & flq == 1)

*Item developed for TwinLife.*

#### lev2100 – life events: Death ( $\geq 10$ yr)

---

1	1: yes	544
2	2: no	2473
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	8562
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	1

*Waves:* CATI 1; F2F 2; CATI 2; F2F 3

*Generated variable*

In CATI2 this question was not asked if deceased persons were already indicated in the family record. In this case, the variable was set automatically to 1: yes

*Item developed for TwinLife.*

#### lev2111 – life events: Death twin 1 ( $\geq 10$ yr)

---

0	0: not mentioned	544
1	1: mentioned	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11037
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

*Waves:* CATI 1; F2F 2; CATI 2; F2F 3

*Question text:* [If no deceased persons were indicated in the family questionnaire]: Who were they? Please name all persons to whom this applies. Variant 1: [If deceased persons have already been indicated in the family record]: You have already indicated that someone from your family has died. If other persons important to you or your family have died, please now indicate who they were.

*Filter based on instrument:* module 'life events' (CATI): lev2100 == 1

*Item developed for TwinLife.*

**lev2112** – life events: Death twin 2 ( $\geq 10$  yr)

---

0	0: not mentioned	544
1	1: mentioned	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11037
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 1; F2F 2; CATI 2; F2F 3

*Question text:* [If no deceased persons were indicated in the family questionnaire]: Who were they? Please name all persons to whom this applies. Variant 1: [If deceased persons have already been indicated in the family record]: You have already indicated that someone from your family has died. If other persons important to you or your family have died, please now indicate who they were.  
*Filter based on instrument:* module 'life events' (CATI): lev2100 == 1  
*Item developed for TwinLife.*

**lev2113** – life events: Death sibling ( $\geq 10$  yr)

---

0	0: not mentioned	543
1	1: mentioned	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11037
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 1; F2F 2; CATI 2; F2F 3

*Question text:* [If no deceased persons were indicated in the family questionnaire]: Who were they? Please name all persons to whom this applies. Variant 1: [If deceased persons have already been indicated in the family record]: You have already indicated that someone from your family has died. If other persons important to you or your family have died, please now indicate who they were.  
*Filter based on instrument:* module 'life events' (CATI): lev2100 == 1  
*Item developed for TwinLife.*

**lev2115** – life events: Death parents ( $\geq 10$  yr)

---

0	0: not mentioned	534
1	1: mentioned	10
-87	-87: multiple answers	0



-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11037
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 1; F2F 2; CATI 2; F2F 3

*Question text:* [If no deceased persons were indicated in the family questionnaire]: Who were they? Please name all persons to whom this applies. Variant 1: [If deceased persons have already been indicated in the family record]: You have already indicated that someone from your family has died. If other persons important to you or your family have died, please now indicate who they were.  
*Filter based on instrument:* module 'life events' (CATI): lev2100 == 1  
*Item developed for TwinLife.*

#### lev2116 – life events: Death stepparents (>= 10 yr)

---

0	0: not mentioned	543
1	1: mentioned	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11037
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 1; F2F 2; CATI 2; F2F 3

*Question text:* [If no deceased persons were indicated in the family questionnaire]: Who were they? Please name all persons to whom this applies. Variant 1: [If deceased persons have already been indicated in the family record]: You have already indicated that someone from your family has died. If other persons important to you or your family have died, please now indicate who they were.  
*Filter based on instrument:* module 'life events' (CATI): lev2100 == 1  
*Item developed for TwinLife.*

#### lev2121 – life events: Death partner (>= 10 yr)

---

0	0: not mentioned	541
1	1: mentioned	3
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11037



-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 1; F2F 2; CATI 2; F2F 3

*Question text:* [If no deceased persons were indicated in the family questionnaire]: Who were they? Please name all persons to whom this applies. Variant 1: [If deceased persons have already been indicated in the family record]: You have already indicated that someone from your family has died. If other persons important to you or your family have died, please now indicate who they were.  
*Filter based on instrument:* module 'life events' (CATI): lev2100 == 1  
*Item developed for TwinLife.*

#### lev2124 – life events: Death another important person (>= 10 yr)

---

0	0: not mentioned	35
1	1: mentioned	509
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11037
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2

*Question text:* [If no deceased persons were indicated in the family questionnaire]: Who were they? Please name all persons to whom this applies. Variant 1: [If deceased persons have already been indicated in the family record]: You have already indicated that someone from your family has died. If other persons important to you or your family have died, please now indicate who they were.  
*Filter based on instrument:* module 'life events' (CATI): lev2100 == 1  
*Item developed for TwinLife.*

#### lev2197 – life events: Death not assigned (>= 10 yr)

---

0	0: not mentioned	541
1	1: mentioned	3
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11037
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 1; F2F 2; CATI 2; F2F 3

*Question text:* [If no deceased persons were indicated in the family questionnaire]: Who were they? Please name all persons to whom this applies. Variant 1: [If

deceased persons have already been indicated in the family record]: You have already indicated that someone from your family has died. If other persons important to you or your family have died, please now indicate who they were.

*Filter based on instrument: module 'life events' (CATI): lev2100 == 1*

*Item developed for TwinLife.*

#### lev2198 – life events: Death don't know (>= 10 yr)

---

0	0: not mentioned	542
1	1: mentioned	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11037
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

*Waves: CATI 2*

*Question text: [If no deceased persons were indicated in the family questionnaire]:*

*Who were they? Please name all persons to whom this applies. Variant 1: [If deceased persons have already been indicated in the family record]: You have already indicated that someone from your family has died. If other persons important to you or your family have died, please now indicate who they were.*

*Filter based on instrument: module 'life events' (CATI): lev2100 == 1*

*Item developed for TwinLife.*

#### lev2199 – life events: Death not specified (>= 10 yr)

---

0	0: not mentioned	543
1	1: mentioned	1
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	11037
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

*Waves: CATI 1; F2F 2; CATI 2; F2F 3*

*Question text: [If no deceased persons were indicated in the family questionnaire]:*

*Who were they? Please name all persons to whom this applies. Variant 1: [If deceased persons have already been indicated in the family record]: You have already indicated that someone from your family has died. If other persons important to you or your family have died, please now indicate who they were.*

*Filter based on instrument: module 'life events' (CATI): lev2100 == 1*

*Item developed for TwinLife.*

**lev2710** – life events: school class repeated or skipped (t,u,s)

1	1: yes	37
2	2: no	1557
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	1598
-95	-95: doesn't apply (screened out)	8384
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	5

Waves: CATI 2

*Question text:* [(ptyp=1 AND (edu0100[001]\_2(Preload)=2) OR (edu0100[002]\_2(Preload)=2)) AND (sibling\_present!=1 OR edu0100[200]\_2(Preload)!=2)] Have you yourself or <NAME TWITTER 2> repeated or skipped a grade in the last 12 months? [(ptyp=1 AND (edu0100[001]\_2(Preload)=2) OR (edu0100[002]\_2(Preload)=2)) AND (sibling\_present=1 and edu0100[200]\_2(Preload)=2)] Did yourself, <NAME TWIN 2>, or <NAME SIBLING CHILD> repeat or skip a grade in the last 12 months? [(ptyp=2 AND (edu0100[001]\_2(preload)=2) OR (edu0100[002]\_2(preload)=2)) AND (sibling\_present!=1 OR edu0100[200]\_2(preload)!=2)] In the last 12 months, have you or <NAME Sibling 1> repeated or skipped a grade? [(ptyp=2 AND (edu0100[001]\_2(Preload)=2) OR (edu0100[002]\_2(Preload)=2)) AND (sibling\_present=1 and edu0100[200]\_2(Preload)=2)] Have you yourself, <NAME TWIN 1>, or <NAME SIBLING CHILD> repeated or skipped a grade in the last 12 months? [ptyp!=1 AND ptyp!=2 AND ((edu0100[001]\_2(preload)=2) OR (edu0100[002]\_2(preload)=2)) AND (sibling\_present!=1 OR edu0100[200]\_2(preload)!=2)] Did <NAME Sibling 1> or <NAME Sibling 2> repeat or skip a grade in the last 12 months? [ptyp!=1 AND ptyp!=2 AND ((edu0100[001]\_2(Preload)=2) OR (edu0100[002]\_2(Preload)=2) OR (sibling\_present=1 AND edu0100[200]\_2(Preload)=2))] Did <NAME SIBLING 1>, <NAME SIBLING 2>, or <NAME SIBLING CHILD> repeat or skip a grade in the last 12 months? Have you [IF Partner1\_present=1 OR Partner2\_present=1: or your partner] repeated or skipped a grade in the last 12 months? Who was that?

*Filter based on instrument:* module 'life events' (CATI): age0110 < 25 & ((ptyp==1 & (edu0100t\_3==2 | edu0301t\_3==1)) | (ptyp==2 & (edu0100u\_3==2 | edu0301u\_3==1)) | (ptyp==200 & (edu0100s\_3==2 | edu0301s\_3==1)))

*Item developed for TwinLife.*

**lev3400** – life events: trouble at home, with school, employer or police

1	1: yes	205
2	2: no	11199
-84	-84: unassignable	10
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0

-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	15
-95	-95: doesn't apply (screened out)	134
-98	-98: don't know	4
-99	-99: not specified (refused to answer)	14

Waves: CATI 2

*Question text:* Have any of the above people in your family or yourself been in trouble at home, with school, with your employer, or with the police because of their behavior in the past 12 months? [PROG: Family member insertion] [If ptyp = 001]: family members 002, 110, 200, 300, 400, 500, 600 [If ptyp = 002]: family members 001, 120, 200, 300, 400, 500, 600 [If ptyp = 300, 400, 500, 600]: family members 001, 002, 200, 300, 400, 500, 600] Who was that? [PROG: display family members] In the last 12 months, have you [IF Partner1\_present=1 OR Partner2\_present=1: or your partner] been in trouble at home, with school, with your employer, or with the police because of your behavior? Who was that?

*Filter based on instrument:* module 'life events' (CATI): inlist(ptyp,1,2,200,300,400,500,600) | (inlist(version\_fq,2,3) & version\_ptyp == 1 & ptyp == 110 & flp == 1) | (inlist(version\_fq,2,3) & version\_ptyp == 2 & ptyp == 120 & flq == 1)

*Item developed for TwinLife.*

#### lev9000 – life events: another event

1	1: yes	1632
2	2: no	9677
-84	-84: unassignable	5
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	32
-95	-95: doesn't apply (screened out)	134
-98	-98: don't know	101
-99	-99: not specified (refused to answer)	0

Waves: CATI 1; F2F 2; CATI 2; F2F 3

*Question text:* In the past 12 months, has there been another positive or negative event that is or has been significant to you or someone else in your family? For whom was there such an event? Please name all persons to whom this applies. In the last 12 months, has there been another positive or negative event for you [IF partner\_present: your partner] or another person important to you that is or was of great importance to you? For whom was there such an event?

*Filter based on instrument:* module 'life events' (CATI): inlist(ptyp,1,2,200,300,400,500,600) |

(inlist(version\_fq,2,3) & version\_ptyp == 1 & ptyp == 110 & flp == 1) | (inlist(version\_fq,2,3) & version\_ptyp == 2 & ptyp == 120 & flq == 1)

Item developed for TwinLife.

### lev9017 – life events: other positive or negative event within or outside the family

---

1	1: yes	211
2	2: no	10887
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	12
-95	-95: doesn't apply (screened out)	471
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2

Question text: For whom was there such an event? Please name all persons to whom this applies.

Filter based on instrument: module 'life events' (CATI): inlist(ptyp,1,2,200,300,400,500,600) | (version\_fq==2 & version\_ptyp == 1 & ptyp == 110 & flp == 1) | (version\_fq==2 & version\_ptyp == 2 & ptyp == 120 & flq == 1)

Item developed for TwinLife.

### lev9021 – life events: most beautiful event in the last 12 months (gen)

---

1	1: most beautiful event mentioned (open specification in lev9020)	2470
-81	-81: there was no beautiful event	317
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	2
-95	-95: doesn't apply (screened out)	8562
-98	-98: don't know	212
-99	-99: not specified (refused to answer)	18

Waves: CATI 2

Question text: What was the most beautiful event for you in the last 12 months?

Filter based on instrument: module 'life events' (CATI): ptyp == version\_ptyp

Item developed for TwinLife.

### lev9025 – life events: most beautiful event in the last 12 months together with other twin

---

1	1: yes	664
2	2: no	699
-81	-81: there was no such event	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	10215
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	2

Waves: CATI 2; F2F 3

Question text: [IF ptyp = 001] Did you experience this event together with <NAME\_ZWILLING2>?

[IF ptyp = 002] Did you experience this event together with <NAME\_ZWILLING1>?

Filter based on instrument: module 'life events' (CATI): (ptyp==1 | ptyp==2) & lev9021==1

Item developed for TwinLife.

## 17 Interviewer assessments

This chapter contains information on: interviewer ratings on the home environment (household).

### iva0201 – person understands German (intr)

---

1	1: (almost) not at all	56
2	2: a little	22
3	3: well	114
4	4: very well	2826
-81	-81: didn't participate	0
-85	-85: no information available	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	8562
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 2

Question text: How well did the respondent speak and understand German? (were frequent comprehension questions asked, e.g. due to language difficulties)

Filter based on instrument: module 'interviewer' (CATI): ptyp == version\_ptyp

Engstler, H., Groh, A., Klaus, D., Mahne, K., Spuling, S., Wetzel, M., Wolff, J., & Tesch-Roemer, C. (2015). *German Ageing Survey (DEAS): Instruments of the Fifth Wave 2014*. [URL link]

### iva0406 – frequency of disturbances during the interview

---

1	1: yes, more than three times	23
---	-------------------------------	----

2	2 yes, two to three times	26
3	3: yes, once	82
4	4: no	2888
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	8562
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2; CATI 3

Generated variable

**iva04, iva11, iva12, iva13:** The interviewer was asked questions about the interview process or disturbances during the interview at the end of the last person interview in a household. The questions refer to the group of respondents interviewed by the interviewer that day. In some cases, however, interviewers had answered the same questions more than once. Since complete interviewer assessments may not be available until after the last individual interview, only this last information is retained. Exception to this rule: If there is more than one assessment for multiple households in a family on a given day, the information for each household is retained. As a result, the information is assigned to all persons in a family (or at the household level in exceptional cases) with the same interview date.

**iva1107** – respondent follows telephone interview easily (intr)

---

1	1: very easy	2670
2	2: easy	263
3	3: less easy	48
4	4: not easy at all	37
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	8562
-98	-98: don't know	1
-99	-99: not specified (refused to answer)	0

Waves: CATI 2; CATI 3

Generated variable

**iva04, iva11, iva12, iva13:** The interviewer was asked questions about the interview process or disturbances during the interview at the end of the last person interview in a household. The questions refer to the group of respondents interviewed by the interviewer that day. In some cases, however, interviewers had answered the same questions more than once. Since complete interviewer assessments may not be available until after the last individual interview, only this last information is retained. Exception to this rule: If there is more than one assessment for multiple households in a family on a given day, the information for each household is retained. As a result, the information is assigned to all persons in a family (or at the household level in exceptional cases) with the same interview date.



**iva1210** – technical problems during interview (intr)

1	1: yes	121
2	2: no	2898
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	8562
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2; CATI 3

Generated variable

**iva04, iva11, iva12, iva13:** The interviewer was asked questions about the interview process or disturbances during the interview at the end of the last person interview in a household. The questions refer to the group of respondents interviewed by the interviewer that day. In some cases, however, interviewers had answered the same questions more than once. Since complete interviewer assessments may not be available until after the last individual interview, only this last information is retained. Exception to this rule: If there is more than one assessment for multiple households in a family on a given day, the information for each household is retained. As a result, the information is assigned to all persons in a family (or at the household level in exceptional cases) with the same interview date.

**18 Para data**

This chapter contains information on: para data.

**mon\_fq** – month family questionnaire was conducted (gen)

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Filter based on instrument: always asked/always generated

**yea\_fq** – year family questionnaire was conducted (gen)

---

-85	-85: unknown	0
-86	-86: not available/empty/not codable	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: F2F 1; CATI 1; F2F 2; CATI 2; F2F 3; CATI 3

Filter based on instrument: always asked/always generated

**19****proxy** – proxy information

---

1	1: yes	8562
2	2: no	3019
-84	-84: unassignable	0
-85	-85: information not evaluable	0
-86	-86: inconclusive specification	0
-87	-87: multiple answers	0
-89	-89: illegible	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2

Question text:

Filter based on instrument: always asked/always generated

Generated variable

The variable indicates whether the values of the variables in this data set come from proxy reports or self-reports.

**version\_fq** – questionnaire version (family level) (gen)

---

1	1: parents cohorts 1 and 2	6168
2	2: long version twins cohorts 3 and 4	4346
3	3: short version twins cohorts 3 and 4	1057
4	4: parents cohorts 3 and 4	10
-87	-87: multiple answers	0

-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2

*Question text:* Definition of the variable "version": [cgr = 1 or cgr = 2] version = 1 --> version\_parents12 [(cgr = 3 or cgr = 4) and (respondent = twin 1 or (respondent = twin 1 and reached\_twin1\_negative))] version = 2 --> version\_lang [(cgr = 3 or cgr = 4) and ((respondent = twin 2 and reached\_twin1\_positive) or (respondent = twin 1 and reached\_twin2\_positive))] version = 3 --> version\_short [(cgr = 3 or cgr = 4) and (reached\_twin1\_negative and reached\_twin2\_negative)] version = 4 --> version\_parent34

*Filter based on instrument:* always asked/always generated

### version\_pq – questionnaire version (gen)

---

1	1: parents cohorts 1 and 2	1342
2	2: long version twins cohorts 3 and 4	955
3	3: short version twins cohorts 3 and 4	720
4	4: parents cohorts 3 and 4	2
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	8562
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

Waves: CATI 2

*Question text:* Definition of the variable "version": [cgr = 1 or cgr = 2] version = 1 --> version\_parents12 [(cgr = 3 or cgr = 4) and (respondent = twin 1 or (respondent = twin 1 and reached\_twin1\_negative))] version = 2 --> version\_lang [(cgr = 3 or cgr = 4) and ((respondent = twin 2 and reached\_twin1\_positive) or (respondent = twin 1 and reached\_twin2\_positive))] version = 3 --> version\_short [(cgr = 3 or cgr = 4) and (reached\_twin1\_negative and reached\_twin2\_negative)] version = 4 --> version\_parent34

*Filter based on instrument:* module 'household questionnaire' (CATI): proxy == 2

### version\_ptyp – type of respondent on level of questionnaire version (gen)

---

1	1: firstborn twin - t	2831
2	2: secondborn twin - u	2572
110	110: partner of first interviewed twin - p	0
120	120: partner of second interviewed twin - q	0

200	200: sibling - s	0
201	201: sibling not participating	0
300	300: mother - m	4827
400	400: father - f	1345
500	500: partner of mother - g	6
600	600: partner of father - n	0
700	700: other person (not surveyed)	0
800	800: unknown person type	0
-87	-87: multiple answers	0
-90	-90: no participation in survey wave	0
-92	-92: no participation in survey module	0
-93	-93: unclear classification of system missing	0
-94	-94: technical error / faulty insertion	0
-95	-95: doesn't apply (screened out)	0
-98	-98: don't know	0
-99	-99: not specified (refused to answer)	0

*Waves:* CATI 2

*Filter based on instrument:* always asked/always generated